

PROJECT:

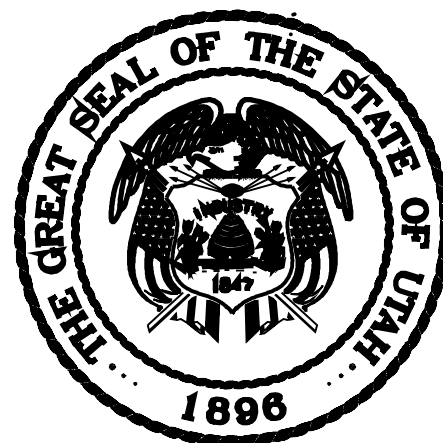
JLTC- BUILDING #4

UTAH NATIONAL GUARD, JOINT LANGUAGE TRAINING CENTER

CAMP WILLIAMS, UTAH

CONSTRUCTION DOCUMENTS - MAY 18, 2006

DFCM PROJECT NO. 06013480



State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

APPROVALS:

| | |
|--------------|------|
| PRIME AGENCY | DATE |
| DFCM | DATE |

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

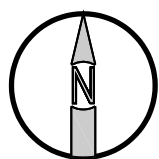
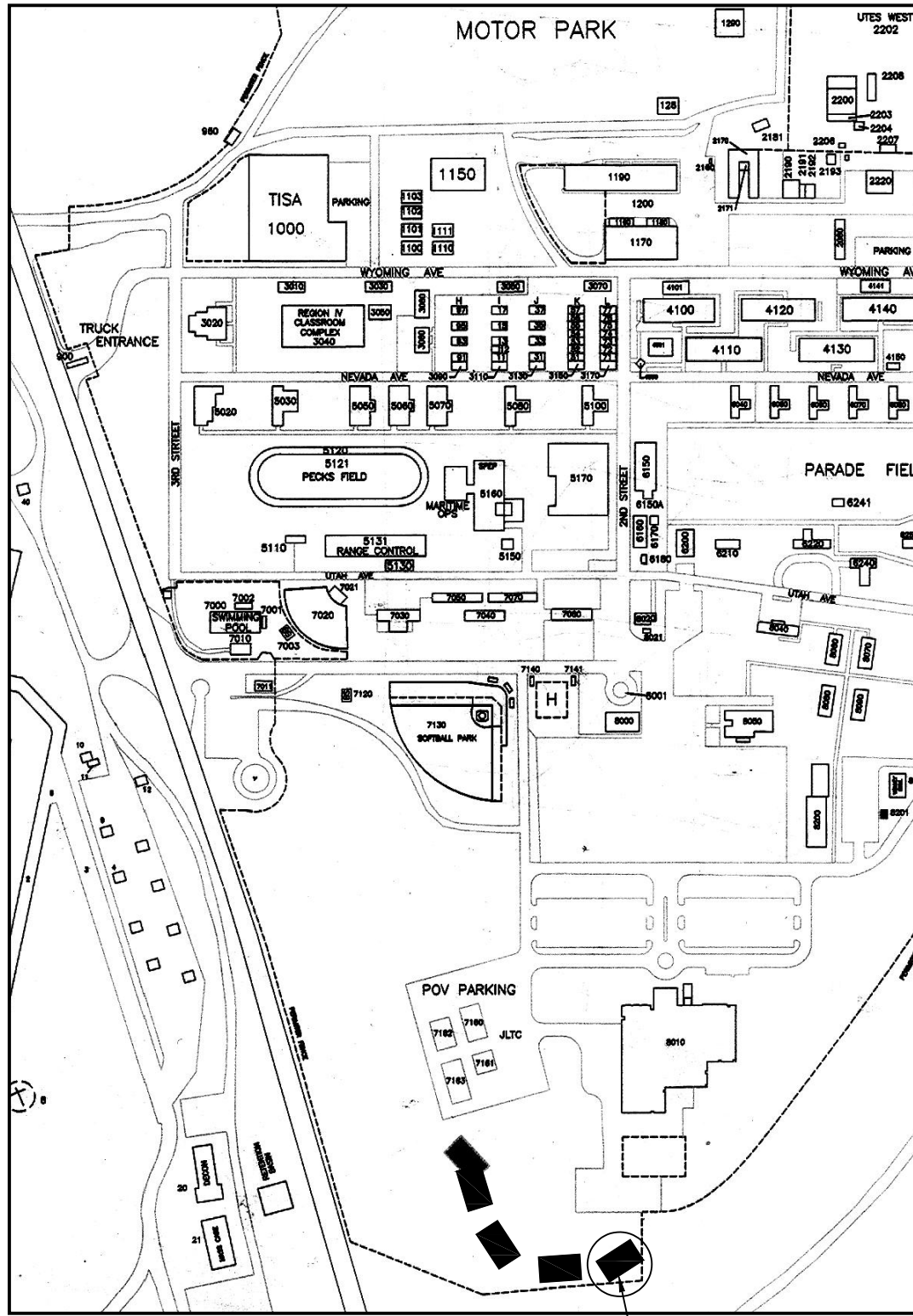
APPROVALS:

| | |
|--------------|------|
| PRIME AGENCY | DATE |
| DFCM | DATE |

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

INDEX TO DRAWINGS

| SHEET | DRAWING TITLE | SHEET | DRAWING TITLE |
|-------|--|-------|----------------------------------|
| G-001 | COVER SHEET, VICINITY MAP | I-200 | INTERIOR SCHEDULE |
| G-002 | CODE REVIEW, GENERAL NOTES, SYMBOLS LEGEND | I-201 | INTERIOR ELEVATIONS |
| C-101 | SITE PLAN | I-202 | INTERIOR ELEVATIONS |
| C-102 | GRADING PLAN | I-203 | INTERIOR ELEVATIONS |
| C-103 | CIVIL UTILITY PLAN | I-204 | INTERIOR ELEVATIONS |
| S-001 | GENERAL NOTES | I-205 | INTERIOR ELEVATIONS |
| S-100 | FOOTING AND FOUNDATION PLAN | I-206 | INTERIOR ELEVATIONS |
| S-101 | MAIN LEVEL FRAMING PLAN | | |
| S-102 | ROOF FRAMING PLAN | M-001 | SCHEDULE SHEET |
| S-201 | STRUCTURAL DETAILS | M-201 | MECHANICAL FLOOR PLAN |
| S-202 | STRUCTURAL DETAILS | M-601 | MECHANICAL DETAILS |
| S-203 | STRUCTURAL DETAILS | M-602 | MECHANICAL DETAILS |
| S-204 | STRUCTURAL DETAILS | | |
| A-100 | BASEMENT FLOOR PLAN | P-001 | SCHEDULE SHEET |
| A-101 | MAIN LEVEL FLOOR PLAN | P-201 | PLUMBING FLOOR PLAN |
| A-102 | FINISH FLOOR PLAN | P-601 | PLUMBING DETAILS |
| A-103 | REFLECTED CEILING PLAN - MAIN FLOOR | P-602 | PLUMBING DETAILS |
| A-104 | REFLECTED CEILING PLAN - BASEMENT | | |
| A-105 | ROOF PLAN | E-001 | DETAILS, NOTES, & SCHEDULES |
| A-201 | ELEVATIONS | E-002 | POWER SINGLE LINE DIAGRAM |
| A-301 | BUILDING SECTIONS | E-003 | DETAILS |
| A-302 | WALL SECTIONS | E-101 | SITE PLAN - ELECTRICAL |
| A-303 | WALL SECTIONS | E-200 | ELECTRICAL PLAN - BASEMENT FLOOR |
| A-304 | WALL SECTIONS | E-201 | ELECTRICAL PLAN - MAIN FLOOR |
| A-401 | ENLARGED RESTROOM PLAN | E-202 | ELECTRICAL PLAN - ROOF |
| A-501 | WALL TYPES & MISC. ARCHITECTURAL DETAILS | E-301 | COMMUNICATION PLAN - MAIN FLOOR |
| A-502 | MISC. ARCHITECTURAL DETAILS | E-401 | FIRE ALARM - MAIN FLOOR |
| A-503 | DOOR & WINDOW DETAILS | E-501 | LIGHTING PLAN - MAIN FLOOR |
| A-504 | ROOF DETAILS | | |
| A-505 | ACCESSIBILITY DETAILS | | |
| A-601 | DOOR & HARDWARE SCHEDULE | | |
| A-602 | WINDOW SCHEDULE | | |



VICINITY MAP
SCALE: 1"=20'



jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: MLJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

COVER
SHEET

SHEET NUMBER

G-0 01

SHEET 001 OF 057



- General Grading Notes:
1. All work shall be in accordance with the City Public Works Standard.
 2. Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
 3. Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
 4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
 5. Areas to receive fill shall be properly prepared and approved by the City Inspector and geotechnical Engineer prior to placing fill.
 6. Fills shall be benched into competent material as per specifications and geotechnical report.
 7. All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
 8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
 9. The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
 10. Dust shall be controlled by watering.
 11. The location and protection of all utilities is the responsibility of the contractor.
 12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
 13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
 14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
 15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
 16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
 17. Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
 18. The recommendations shall follow the Geotechnical Engineering Report.
 19. As part of the construction documents, owner has provided Architect/contractor with a topographic survey performed by Oak Hills surveying. Such survey was prepared for project design purposes and is provided to the contractor.
 20. Erosion Control: Protect all inlet boxes, catch basins, etc. with straw bails during construction. Protect surrounding properties and streets from site runoff with sandbags and earth berms.

- PAVEMENT NOTES:
1. ASPHALT PAVEMENT: USE ASPHALT CONCRETE SPECIFIED IN APWA SECTION 02745.
 - A. INSTALL LIFTS NO GREATER THAN 3" AND NOT LESS THAN 2" AS MEASURED AFTER COMPACTION.
 - B. COMPACT WITHIN THE RANGE OF 96 TO 98 PERCENT RELATIVE TO THE ASTM D 5591 (MARSHALL METHOD) OR 93 TO 97 PERCENT RELATIVE TO ASTM D 2041 (RICE METHOD).
 2. UNTREATED BASE COURSE: PROVIDE MATERIAL SPECIFIC IN APWA SECTION 02060. DO NOT USE GRAVEL OR SEWER ROCK. PLACE PER APWA SECTION 0-2322. COMPACT PER APWA SECTION 02324 TO A MODIFIED PROCTOR DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS IS 6" BEFORE COMPACTION.

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: JDA

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

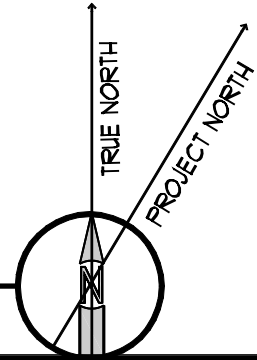
OVERALL
SITE PLAN

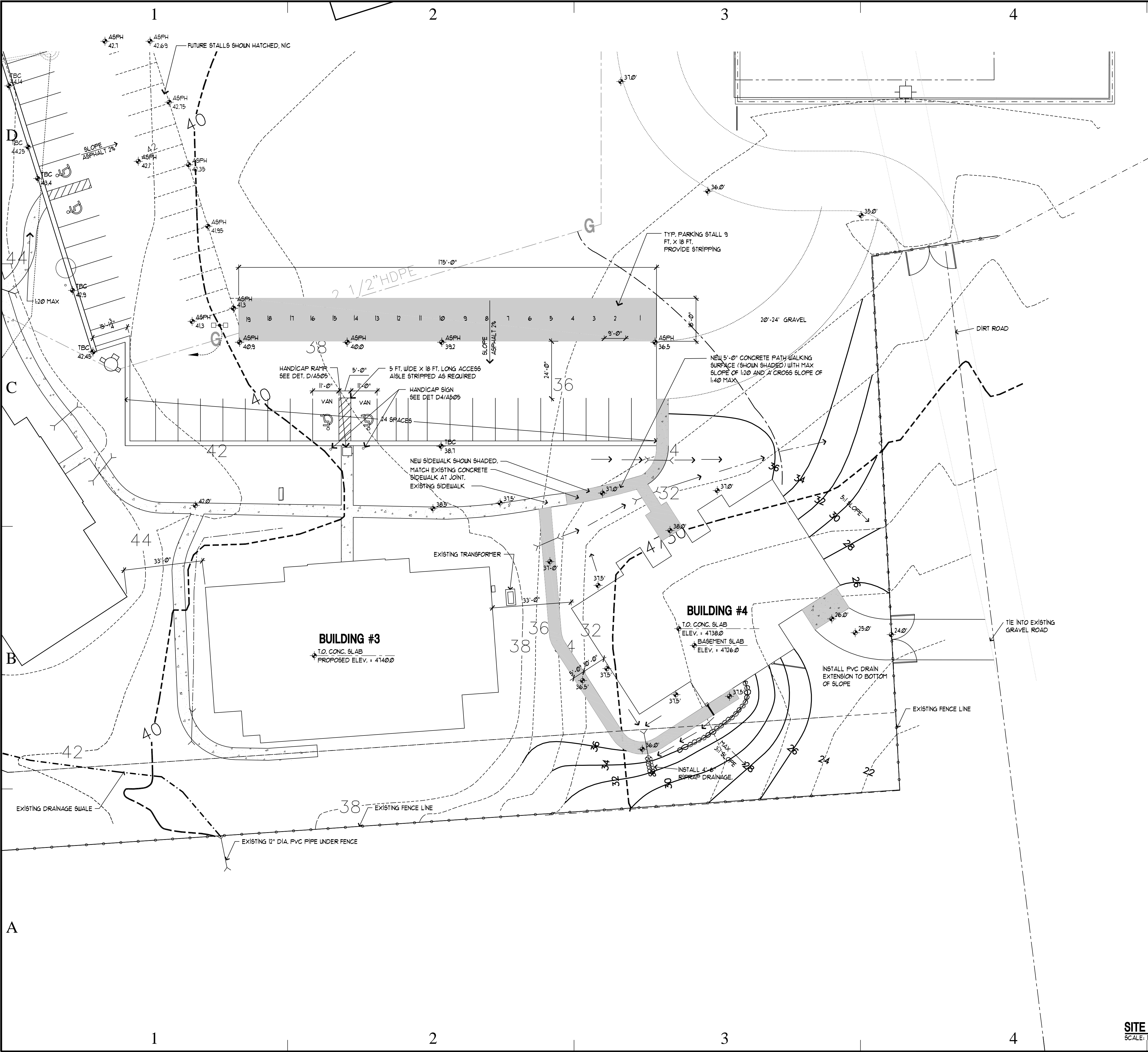
SHEET NUMBER

C-101

SHEET 003 OF 057

SITE OVERALL PLAN
SCALE: 1" = 20'-0"





- General Grading Notes:
1. All work shall be in accordance with the City Public Works Standard.
 2. Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
 3. Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
 4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
 5. Areas to receive fill shall be properly prepared and approved by the City Inspector and geotechnical Engineer prior to placing fill.
 6. Fills shall be benched into competent material as per specifications and geotechnical report.
 7. All trench backfills shall be tested and certified by the site geotechnical engineer per the grading code.
 8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
 9. The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
 10. Dust shall be controlled by watering.
 11. The location and protection of all utilities is the responsibility of the contractor.
 12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
 13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
 14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
 15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
 16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
 17. Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
 18. The recommendations shall follow the Geotechnical Engineering Report.
 19. As part of the construction documents, owner has provided Architect/contractor with a topographic survey performed by Oak Hills surveying. Such survey was prepared for project design purposes and is provided to the contractor.
 20. Erosion Control: Protect all inlet boxes, catch basins, etc. with straw bales during construction. Protect surrounding properties and streets from site runoff with sandbags and earth berms.

- PAVEMENT NOTES:
1. ASPHALT PAVEMENT: USE ASPHALT CONCRETE SPECIFIED IN APWA SECTION 02745.
 - A. INSTALL LIFTS NO GREATER THAN 3" AND NOT LESS THAN 2" AS MEASURED AFTER COMPACTION.
 - B. COMPACT WITHIN THE RANGE OF 96 TO 98 PERCENT RELATIVE TO THE ASTM D 5591 (MARSHALL METHOD) OR 93 TO 97 PERCENT RELATIVE TO ASTM D 2041 (RICE METHOD).
 2. UNTREATED BASE COURSE: PROVIDE MATERIAL SPECIFIC IN APWA SECTION 02060. DO NOT USE GRAVEL OR SEWER ROCK. PLACE PER APWA SECTION 0-2322. COMPACT PER APWA SECTION 02324 TO A MODIFIED PROCTOR DENSITY OF 95 PERCENT OR GREATER. MAXIMUM LIFT THICKNESS IS 6" BEFORE COMPACTION.

LEGEND

EXISTING CONCRETE WALK

NEW CONCRETE WALK

NEW ASPHALT PARKING AREA

(E) = EXISTING
(N) = NEW

TYPICAL ASPHALT SECTION CUT

SEE PAVEMENT NOTE #1 ABOVE
SEE PAVEMENT NOTE #2 ABOVE

GENERAL NOTE

1) DRAINAGE PIPES UNDER SIDEWALKS TO BE MINIMUM 6" DIAMETER PVC OR BETTER.

2) DRAINAGE SWALES SHOWN AS DRAINAGE ARROWS ON PLAN TO BE MINIMUM 6" DEEP.



6465 s. 3000 e. suite 205
salt lake city utah 84121
801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: JDA

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

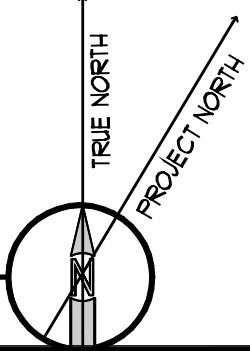
BASE BID
GRADING PLAN

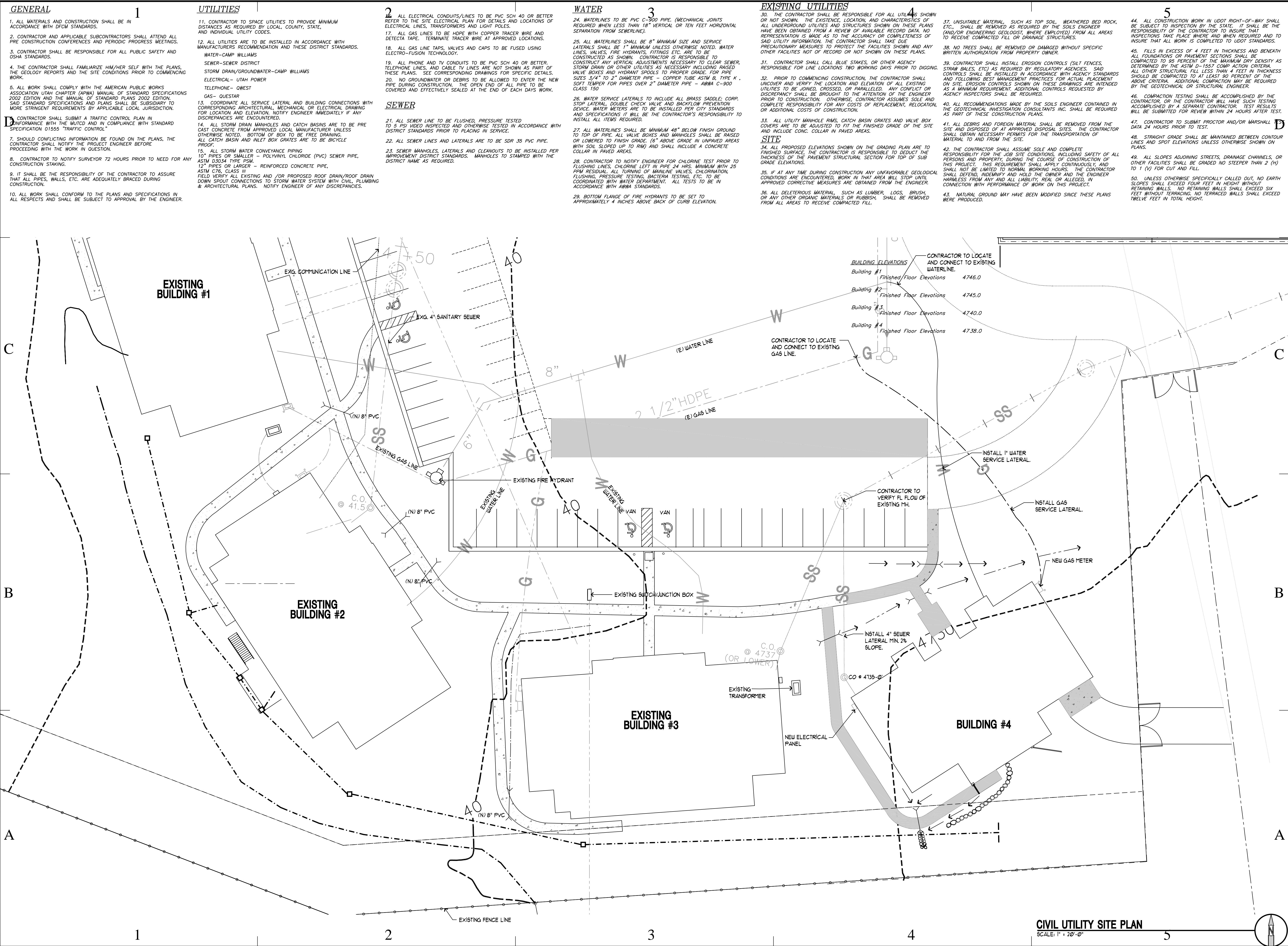
SHEET NUMBER

C-102

SHEET 004 OF 057

SITE GRADE PLAN
SCALE: 1" = 20'-0"





jsa

architecture

planning

interiors

6465 s. 3000 e. suite 205

salt lake city utah 84121

801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN, INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL GUARD JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: JDA

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

CIVIL UTILITY PLAN

SHEET NUMBER

C-103

SHEET 005 OF 057

5/12/2006 4:12:00 PM

PROJECT STRUCTURAL NOTES

DESIGN CRITERIA

1. GOVERNING BUILDING CODE: 2003 IBC
2. GRAVITY LOADING
- A. ROOF DEAD LOAD 20 PSF
- B. ROOF SNOW LOAD: Pg = 46 PSF, Ft = 34 PSF + DRIFT
Cs = 1.0, I = 1.0, Ct = 1.0
- A. FLOOR DEAD LOAD 50 PSF
- B. FLOOR LIVE LOAD: 100 PSF
3. SEISMIC DESIGN
- A. SEISMIC CATEGORY E, SEISMIC USE GROUP I, Sds = .311, Sd1 = .466,
SITE CLASS D, BEARING WALL SYSTEM, K, DESIGN BASE SHEAR = 40.4 K,
EQUIVALENT LATERAL FORCE PROCEDURE USED.
4. WIND DESIGN
- A. BASIC WIND SPEED V3s = 100 MPH, I = 1.0, EXP C,
INTERNAL PRESSURE COEFFICIENT GCp1 = .18, .18
COMPONENTS AND CLADDING: ROOF -18.13 PSF, WALLS -20.3 PSF
5. FOUNDATION
- A. ALLOWABLE SOIL BEARING PRESSURE IS 2500 PSF
PER SOILS REPORT #154JT161 BY WESTERN TECHNOLOGIES.
- B. SUBSURFACE CONDITIONS
IF GROUND WATER IS ENCOUNTERED, NOTIFY ENGINEER
BEFORE PROCEEDING FURTHER.

GENERAL

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH 2003
EDITION OF THE INTERNATIONAL BUILDING CODE AND SUPPLEMENTS
UNLESS HIGHER STANDARD IS CALLED FOR.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS
AT THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND
PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
4. DURING AND AFTER CONSTRUCTION THE CONTRACTOR AND/OR OWNER
SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF
THE DESIGN LOADS.
5. DO NOT SCALE THE DRAWINGS. IF DIMENSION ARE IN QUESTION,
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING
CLARIFICATION FROM THE ARCHITECT/ENGINEER BEFORE
CONTINUING WITH CONSTRUCTION.
6. SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL
CONTRACTOR AND ARCHITECT PRIOR TO FABRICATION OR ERECTION
FOR THE FOLLOWING ITEMS:

REINFORCING STEEL
STRUCTURAL STEEL
MISCELLANEOUS METALS/EMBEDDED CONNECTIONS, PLATES, ETC.

THE GENERAL CONTRACTOR SHALL SUBMIT THREE(3) COPIES OF
ALL SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW
PRIOR TO FABRICATION OR ERECTION. FIVE (5) WORKING DAYS
SHALL BE ALLOWED FOR THE REVIEW OF THESE SHOP DRAWINGS BY
THE ENGINEER.

7. THE TYPICAL DETAILS SHALL BE USED WHEREVER APPLICABLE
UNLESS OTHERWISE NOTED ON THE DRAWINGS. NOTES AND
DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THE
GENERAL NOTES AND TYPICAL DETAILS.
8. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS
OF THE WORKING DRAWINGS AND /OR SPECIFICATIONS SHALL BE
BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE
PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT,
FOLLOW MOST STRINGENT REQUIREMENT AS DETERMINED BY
ARCHITECT/ENGINEER WITHOUT COST TO OWNER.

EARTHWORK

1. SITE PREPARATION:
- REMOVE SURFACE VEGETATION AND OTHER SURFACE DELETERIOUS
MATERIALS FROM ALL AREAS WHICH WILL BE STRUCTURALLY LOADED.
SUBSEQUENT FROM AN AREA EXTENDING FIVE FEET FROM THE PERIMETER
OF THE BUILDING ALL NON-ENGINEERED FILL MUST BE REMOVED.
SUBSEQUENT TO INITIAL STRIPPING AND OVER-EXCAVATION,
THE EXPOSED SUBGRADE MUST BE PROCFOLLED, IF ANY SOFT OR UNSUITABLE
SOIL ZONES ARE ENCOUNTERED, THE MUST BE REMOVED TO A MAXIMUM DEPTH OF
TWO FEET AND REPLACED WITH COMPACTED GRANULAR FILL.
ON-SITE GRANULAR NON-ENGINEERED FILLS MAY BE
RE-UTILIZED AS STRUCTURAL FILL.
AND UNUSUAL SOIL CONDITIONS (WATER, SOFT LAYERS, ROCK
OUTCROPPINGS, ETC.) ENCOUNTERED DURING EXCAVATION FOR
FOOTINGS SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION
OF THE ARCHITECT AND SOIL ENGINEER.
2. STRUCTURAL FILL
- ALL FOOTINGS SHALL BEAR 30" MINIMUM ONTO SUITABLE
NATURAL SOILS AND/OR STRUCTURAL FILL EXTENDING TO
SUITABLE NATURAL SOILS. STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF
MAXIMUM RELATIVE DENSITY BASED ON ASTM D 1557. SUCH
FILL SHALL BE PLACED IN LOOSE LAYERS NOT TO EXCEED EIGHT
INCHES (8") IN DEPTH.
ANY FILL TO BE PLACED UNDER THE BUILDING AND FOOTINGS
SHALL BE A WELL GRADED GRANULAR MATERIAL WITHIN THE
LIMITS OF THE FOLLOWING GRADATION:

SIEVE SIZE PERCENT PASSING

| | |
|--------|--------|
| 4" | 100% |
| 1" | 60-90% |
| NO. 4 | 30-60% |
| NO. 40 | 10-30% |
| NO.200 | 5-12% |

WIDTH OF COMPACTED STRUCTURAL FILL SHALL EXTEND A MINIMUM
DISTANCE EQUAL TO THE DEPTH OF FILL BEYOND THE EDGES OF
THE FOOTINGS.

ALL FILL AND BACK FILL SHALL BE COMPACTED TO A MINIMUM OF
95% OF MAXIMUM RELATIVE DENSITY OF BUILDING CONSTRUCTION
AND 90% FOR GENERAL SITE WORK.

3. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION
PRIOR TO PLACING OF CONCRETE. DO NOT POUR CONCRETE UNDER
WATER OR ON FROZEN GROUND.
4. COMPACTION TESTS SHALL BE PERFORMED BY AN
INDEPENDENT TESTING LABORATORY AS
SELECTED BY THE ARCHITECT/ENGINEER.
5. ALL EXCAVATIONS SHOULD BE OBSERVED PERIODICALLY BY A
QUALIFIED GEOTECHNICAL PERSONNEL.

OPEN WEB STEEL JOISTS AND STEEL DECKS

1. ALL STEEL JOISTS AND GIRDERS, WITH THEIR ASSOCIATED HARDWARE, SHALL
BE DESIGNED, FABRICATED & INSTALLED PER REQUIREMENTS OF THE STEEL JOIST
INSTITUTE SPECIFICATION.
2. STEEL JOIST MANUFACTURER SHALL DESIGN AND FABRICATE STEEL JOIST
AND GIRDERS TO SUPPORT LOADS SHOWN ON PLANS. COORDINATE DESIGN WITH
ALL MECHANICAL EQUIPMENT AND SUSPENDED LOADS. ALL JOISTS AND GIRDERS
WITH SLOPE EXCEEDING 1/2 INCHES PER FOOT SHALL BE DESIGNED FOR
ADDITIONAL AXIAL STRESSES.
3. SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR REVIEW PRIOR TO
FABRICATION OF JOISTS AND GIRDERS. CONTRACTOR SHALL NOT CUT, DRILL, OMIT
OR MODIFY ANY PART OF ANY JOIST OR GIRDER WITHOUT WRITTEN CONSENT AND
DIRECTION FROM THE MANUFACTURER.
4. BOTTOM CHORD OF THE GIRDERS SHALL NOT BE WELDED TO THE STABILIZER
PLATES UNLESS SPECIFICALLY CALLED FOR ON DETAILS. WHERE WELD IS
SPECIFIED, WELD AFTER ALL DEAD LOAD HAS BEEN APPLIED. ALL WELDERS SHALL
BE AWS CERTIFIED.
5. ROOF DECK SHALL BE 20 GA. 1 1/2" TYP H&B, PAINTED AND MANUFACTURED
BY VERCOR. PROVIDE 1/2" DIA. FUSION WELDS SIX PLACES PER SHEET TO ALL
SUPPORTS AND AT 6" ON CENTER AT ALL EDGES, FRAMES, SHEAR WALLS AND DRAG
STRUTS. PROVIDE 1/2" TOP BEAM WELDS AT 24" O.C. FOR ALL PANEL TO
PANEL CONNECTIONS.
6. SUBSTITUTION OR ROOF DECK SHALL BE APPROVED BY
ARCHITECT AND ENGINEER. IT SHALL HAVE CAPACITY FOR GRAVITY AND SHEAR
LOADS EQUAL TO OR BETTER THAN SPECIFIED STEEL DECKS AND SHALL BE
1.650, APPROVED.

REINFORCING BARS

METAL REINFORCEMENT SHALL BE DEFORMED TYPE BARS AND SHALL CONFORM TO ASTM A-615
GRADE 60 WITH MINIMUM YIELD STRENGTH OF 60 KSI. ALL REINFORCEMENT BARS SHALL BE
DETAILED, BOLSTERED AND SUPPORTED IN ACCORDANCE WITH ACI STANDARD 315 "MANUAL
OF STANDARD PRACTICE FOR DETAILING REINFORCE CONCRETE STRUCTURES". CONCRETE
REINFORCING STEEL INSTITUTE (CRSI) AND "BUILDING CODE REQUIREMENTS FOR REINFORCED
CONCRETE" ACI 318. LAP REINFORCING BARS 48 BAR DIAMETERS IN CONCRETE.

CONCRETE

1. CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318-02
"SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS",
EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS
BELOW:
12. CEMENT NOTES:
- A. FOOTINGS, FOUNDATION WALLS, PIERS, SUSPENDED SLAB,
INTERIOR SLABS ON GRADE-TYPE 2 LOW ALKALI PER ASTM C150.
MAX w/c = 0.50
- B. EXTERIOR SLABS ON GRADE USE 6 1/2% + 1 1/2% AIR
PER ASTM C260 WITH MAX. SIZE AGGREGATE 3/4" PER
C33. MAX w/c=0.45.

13. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM
COMPRESSIVE STRENGTH AT 28 DAYS:
- A. FOOTINGS, FOUNDATION WALLS - 3000 PSI.

- B. SLABS ON GRADE, SUSPENDED SLAB -4000 PSI

14. REINFORCING STEEL SHALL MEET ASTM A 615 GRADE 60
(YIELD STRESS = 60,000 PSI)

2. A STATEMENT OF MIX DESIGN FOR ALL CONCRETE SHALL BE
SUBMITTED AND APPROVED BY THE ENGINEER TO COMMENCING
WORK.

3. CURING AND PROTECTION OF CONCRETE SHALL
CONFORM TO IBC SECTION 1905.11, 1905.12, 1905.13

THE USE OF CHEMICALS OR ADDITIVES TO PREVENT FREEZING
SHOULD NOT BE PERMITTED, REFER TO SPECIFICATIONS AND TO
DIRECTIVES BY STRUCTURAL ENGINEER FOR ADDITIONAL COLD
WEATHER REQUIREMENTS.

ALL CONCRETE SHALL BE PROPERLY VIBRATED IN PLACE USING
INTERNAL VIBRATING RODS (MECHANICAL OR ELECTRICAL).

4. ALL SLABS ON GRADE SHALL BE PLACED WITH CONSTRUCTION
JOINTS OR SAW CUTS AT 10'-0" ON CENTER (MAXIMUM) OR AS
SHOWN/NOTED ON DRAWINGS.

5. CONCRETE TEST WILL BE MADE ON MAJOR POURS AND AT SUCH
OTHER TIMES AS MAY BE REQUIRED BY THE ENGINEER. EACH
TEST SHALL CONSIST OF 3 CYLINDERS OF WHICH ONE SHALL BE
TESTED AT SEVEN DAYS, ONE TESTED AT TWENTY-EIGHT DAYS AND
ONE RETAINED IN RESERVE FOR LATER TESTS, IF REQUIRED.

IN GENERAL, ONE TEST SHALL BE MADE FOR EACH 50 CUBIC
YARDS ON CONCRETE ON EACH DAY'S POUR. SPECIMENS SHALL BE
MADE AND TESTED IN ACCORDANCE WITH ASTM C-31 AND C-39
STANDARDS. SLUMP AND AIR ENTRAINMENT TEST SHALL ALSO BE
MADE WITH EACH SET OF CYLINDERS TAKEN. AIR SHALL BE
ADDED TO ALL CONCRETE EXPOSED TO WEATHER.

6. BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO
INSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS,
CONDUITS, BOLTS, INSERTS, ETC. RELATED TO THE WORK.

7. REINFORCEMENT PROTECTION:
- A. CONCRETE POURED AGAINST EARTH 3"
- B. CONCRETE POURED AGAINST FORMS BUT
EXPOSED TO WEATHER OR EARTH:
1. IF BARS ARE LARGER THAN 15 2"
2. IF BARS ARE 15 OR SMALLER 15" 15"
- C. WALLS 2"

MASONRY

1. SPECIAL INSPECTION PER I.B.C. SECTION 1704.5,
AND TABLE 1704.5.3 IS REQUIRED ON ALL MASONRY
2. A CONCRETE MASONRY UNITS SHALL BE GRADE N TYPE I
CONFORMING TO ASTM C90 "STANDARD SPECIFICATION FOR HOLLOW
LOAD-BEARING CONCRETE MASONRY UNITS", AND SHALL HAVE
MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.
3. MASONRY REINFORCING:
- A. UNLESS NOTED OTHERWISE, TYPICAL REINFORCING SHALL BE
1-15 AT 32" O.C. VERT. AND 2-14 AT 48" O.C. HORIZONTAL.
- B. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED
BARS CONFORMING TO ASTM A615, GRADE 60.
- C. ALL VERTICAL REINFORCING SHALL BE DOWELED
(SAME SIZE AND SPACING AS VERTICAL BARS
INTO FOUNDATION WALL OR FOOTING BELOW).
- D. ONLY BLOCK CELLS WITH REINFORCING SHALL BE GROUTED FULL
USING CONCRETE GROUT. CELLS SHALL BE ALIGNED TO
PRESERVE UNOBSTRUCTED VERTICAL CAVITIES OF 2" X 3"
MINIMUM.
- E. UNLESS OTHERWISE NOTED, ADDITIONAL VERTICAL BARS TO
MATCH WALL REINFORCING SHALL BE PLACED AT JAMBS OF
ALL OPENINGS AND AT ENDS AND INTERSECTIONS OF WALLS.
- F. HORIZONTAL BARS SHALL BE PLACED IN BOND BEAMS FILLED
WITH GROUT AT THE TOP OF ALL WALLS AND AT 48" O.C.
MAXIMUM BETWEEN TOP OF WALL AND FOUNDATION. BOND
BEAM UNITS SHALL CONTINUE UNINTERRUPTED AROUND ALL
CORNERS AND WALL INTERSECTIONS.
- G. ALL REINFORCING SHALL BE IN PLACE PRIOR TO GROUTING.
VERTICAL REINFORCING BARS SHALL BE HELD IN POSITION
AT THE TOP, BOTTOM AND AT INTERVALS NOT FARTHER
APART THAN 200 BAR DIAMETERS.
4. MORTAR SHALL CONFORM TO ASTM C270-80A, "STANDARD
SPECIFICATION FOR MORTAR FOR UNIT MASONRY", TYPE M OR S
(AT CONTRACTORS OPTION), MINIMUM COMPRESSIVE STRENGTH OF
1800 PSI).
5. NO MASONRY SHALL BE LAID WHEN THE TEMPERATURE OF THE
OUTSIDE AIR IS BELOW 40 DEGREE F, UNLESS APPROVED
METHODS ARE USED DURING CONSTRUCTION TO PREVENT DAMAGE TO
THE MASONRY. SUCH METHODS SHALL INCLUDE PROTECTION OF
THE MASONRY FOR A PERIOD OF AT LEAST 48 HOURS. SEE
UNIFORM BUILDING CODE SECTION 2104 FOR OTHER CONSTRUCTION
AND PROTECTION REQUIREMENTS.
6. UNLESS APPROVED OTHERWISE BY THE ENGINEER, LOW LIFT
GROUTED CONSTRUCTION PRACTICE SHALL BE USED. UNITS MAY
BE LAID TO A HEIGHT NOT TO EXCEED 8 FEET; HOWEVER, IF THE
HEIGHT EXCEEDS 4 FEET, CLEANOUTS MUST BE USED. SUCH
CLEANOUTS SHALL BE PROVIDED BY SUITABLE OPENING IN THE
FACE SHELLS IN THE BOTTOM COURSE OF EACH CELL TO THE
GROUTED. THE CLEANOUTS SHALL BE SEALED AFTER INSPECTION
AND BEFORE GROUTING.

7. ALL ANCHOR BOLTS AND REINFORCING STEEL MUST BE PLACED IN
GROUTED CELLS.
8. STOP GROUT FOUR 1/2" BELOW TOP OF BLOCK UNITS.
9. GROUT SHALL CONSIST OF 2 PARTS PORTLAND CEMENT, 3 PARTS
SAND AND NOT MORE THAN 2 PARTS PEA GRAVEL. IT SHALL BE
UNIFORMLY MIXED WITH ADEQUATE WATER TO FLOW INTIMATELY
INTO PLACE WITHOUT SEGREGATION. MINIMUM COMPRESSIVE
STRENGTH SHALL BE 2000 PSI.

1. ALL ANCHOR BOLTS AND REINFORCING STEEL MUST BE PLACED IN
GROUTED CELLS.
2. STOP GROUT FOUR 1/2" BELOW TOP OF BLOCK UNITS.

9. GROUT SHALL CONSIST OF 2 PARTS PORTLAND CEMENT, 3 PARTS
SAND AND NOT MORE THAN 2 PARTS PEA GRAVEL. IT SHALL BE
UNIFORMLY MIXED WITH ADEQUATE WATER TO FLOW INTIMATELY
INTO PLACE WITHOUT SEGREGATION. MINIMUM COMPRESSIVE
STRENGTH SHALL BE 2000 PSI.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM WITH ASTM A-36
STANDARDS AS OUTLINED IN THE AISC "MANUAL OF STEEL
CONSTRUCTION" (LATEST EDITION) CONTAINING THE
SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION
OF STRUCTURAL STEEL BUILDINGS, AND THE "CODE OF STANDARD
PRACTICE" (LATEST EDITION).
2. STEEL TUBING SHALL CONFORM TO A-500, GRADE B,
FT = 46 KSI.
3. UNLESS OTHERWISE NOTES, ALL STRUCTURAL STEEL TO STEEL
CONNECTIONS SHALL BE MADE IN SUCH A MANNER TO DEVELOP
FULL SHEAR CAPACITY OF CONNECTING MEMBERS AS PER AISC
SPECIFICATIONS.
4. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO STEEL
BOLTED CONNECTIONS SHALL USE 3/4" DIAMETER HIGH STRENGTH
BOLTS CONFORMING TO ASTM A-325 (IN) AND SHALL HAVE
CARBONIZED WASHERS UNDER TURNING UNIT. ALL OTHER BOLTS
SHALL CONFORM TO ASTM A-307. A-307 BOLTS ARE TO
TIGHTENED BY THE TURN-OF-THE -NUT-METHOD. HIGH STRENGTH
BOLTS ARE TO TIGHTENED BY EITHER TURN-OF-THE-NUT-METHOD
OR LOAD INDICATOR WASHERS.
5. REMOVE RUST, OILS, MILL SCALE AND APPLY ONE COAT RED LEAD
IRON OXIDE SHOP PAINT, 2 MILS (DRY) THICK. PROVIDE TOUGH
UP FIELD COAT AT ALL ABRADED AND WELDED AREAS, 2
MILS(DRY) THICK.
6. PRIOR TO FABRICATION AND PLACEMENT, SHOP DRAWINGS FOR ALL
STEEL ITEMS SHALL BE PREPARED FOR AND REVIEWED BY THE
STRUCTURAL ENGINEER.
7. ALL WELDS SHALL BE MADE WITH E10XX ELECTRODES AND BY
WELDERS CERTIFIED BY AWS. STANDARDS WITHIN THE LAST 12
MONTHS (PROVIDE WRITTEN CERTIFICATION IF REQUESTED)
WHERE NOTED ON THE DRAWING:
- A. ALL FIELD WELDING SHALL BE DONE UNDER THE DIRECT
SUPERVISION OF AN INDEPENDENT TESTING LABORATORY AS
SELECTED BY THE ARCHITECT/ENGINEER.
- B. ALL FULL PENETRATION OR FUSION WELDS SHOWN ON
DRAWINGS ARE TO BE TESTED BY X-RAY PER AWS.
SPECIFICATION.
- C. THE OWNER MAY TEST ALL FILLET WELDS OR PORTIONS
THERE OF .
- D. COPIES OF TEST RESULTS TO BE SENT TO
ARCHITECT/STRUCTURAL ENGINEER.

SPECIAL INSPECTION:

1. SPECIAL INSPECTIONS SHALL BE PROVIDED DURING CONSTRUCTION FOR
THE FOLLOWING:
- CONCRETE:
DURING THE TAKING OF TEST SPECIMANS AND PLACING OF
REINFORCED CONCRETE (EXCEPT SLABS ON GRADE).
BOLTS INSTALLED IN CONCRETE:
PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND
BOLTS IDENTIFIED ON THE DRAWINGS (IF ANY) AS REQUIRING
SPECIAL INSPECTIONS.
- REINFORCING STEEL:
FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE
CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOB
SITE.
- STRUCTURAL WELDING:
VERIFY THE MATERIALS, QUALIFICATIONS OF THE WELDING
PROCEDURES AND WELDERS PRIOR TO THE START OF WORK AND
PROVIDE PERIODIC INSPECTIONS OF WORK IN PROGRESS AND A
VISUAL INSPECTION OF ALL WELDS (INCLUDING WELDING OF METAL
ROOF DECK) PRIOR TO COMPLETION OF WORK. STRUCTURAL STEEL
SHALL BE PROVIDE FOR BY A REGISTERED AND APPROVED FABRICATOR.
INSPECTION IS NOT REQUIRED FOR WELDING DONE IN AN
APPROVED FABRICATOR'S SHOP.
- HIGH STRENGTH BOLTING:
PROVIDE PERIODIC INSPECTIONS TO INSURE THAT THE PLIES OF THE
CONNECTED ELEMENTS HAVE BEEN BROUGHT IN TO SNUG CONTACT.
- STRUCTURAL MASONRY:
DURING THE PREPARATION AND TAKING OF ANY REQUIRED PRISMS
OR TEST SPECIMENS, AT THE START OF LAYING UNITS, AFTER THE
PLACEMENT OF REINFORCING STEEL, GROUT SPACE PRIOR TO EACH
GROUTING OPERATION, AND DURING ALL GROUTING OPERATIONS,
EPOXY ANCHORS AND REINFORCEMENT EMBEDDED WITH EPOXY:
PROVIDE INSPECTION OF HOLES AND PROVIDE CONTINUOUS
INSPECTION DURING PLACEMENT OF EPOXY ANCHORS OR OTHER
ITEMS EMBEDDED IN CONCRETE OR MASONRY. INSPECTOR TO
VERIFY TYPE AND EMBEDMENT OF ANCHORS.
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL
DEMONSTRATE HIS COMPETENCE, TO THE SATISFACTION OF THE BUILDING
OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION
OR OPERATION REQUIRING SPECIAL INSPECTION.
3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
- OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED
DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT
ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE
DOCUMENTS.
FURNISH INSPECTION REPORTS TO THE OWNER, THE BUILDING OFFICIAL,
AND THE PROFESSIONAL OF RECORD. ALL DISCREPANCIES SHALL BE
BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR
CORRECTION. THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST TO ALL
OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE
BUILDING OFFICIAL, AND THE PROFESSIONAL OF RECORD UNTIL ALL
CORRECTIONS HAVE BEEN COMPLETED.
SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK
REQUIRING SPECIAL INSPECTIONS WAS, TO THE BEST OF THE
INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED
PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKSHIPSHIP
PROVISIONS OF THE CODE.
4. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 11 OF THE BUILDING
CODE) IS NOT REQUIRED.
5. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE
REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS
SHALL NOT BE REQUIRED.

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN
INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC
REPRESENTATION & MODELS THEREOF, ARE
PROPRIETARY & CAN NOT BE COPIED,
DUPLICATED, OR COMMERCIALY EXPLOITED IN
WHOLE OR IN PART WITHOUT THE SOLE AND
EXPRESS WRITTEN PERMISSION FROM THE STATE
OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED
REVIEW AND EVALUATION BY CLIENTS,
CONSULTANTS, CONTRACTORS, GOVERNMENT
AGENCIES, VENDORS, AND OFFICE PERSONNEL
ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

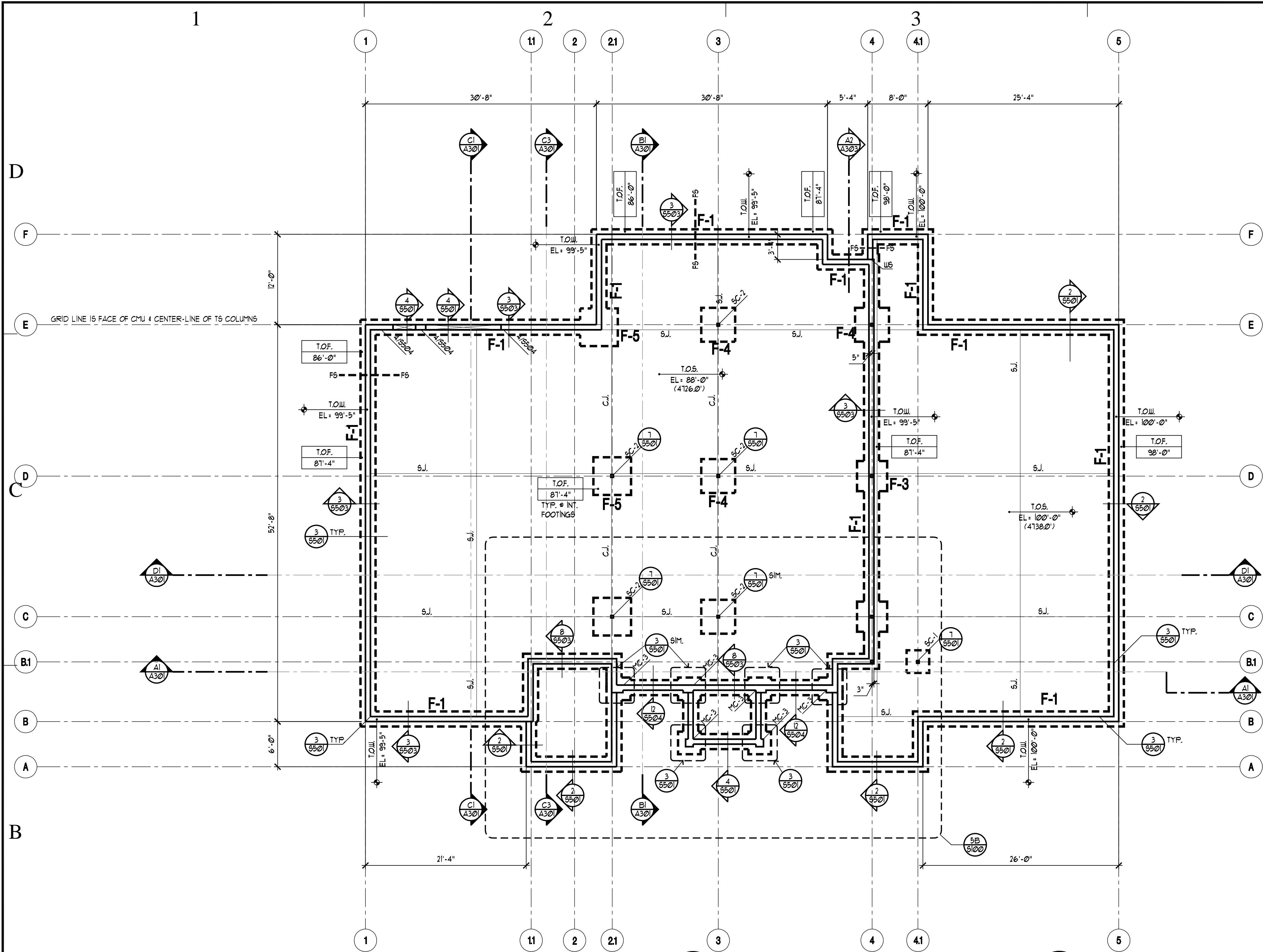
SHEET TITLE

GENERAL
STRUCTURAL NOTES

SHEET NUMBER

S-0 01

SHEET 006 OF 057



FOOTING AND FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

3B
S100

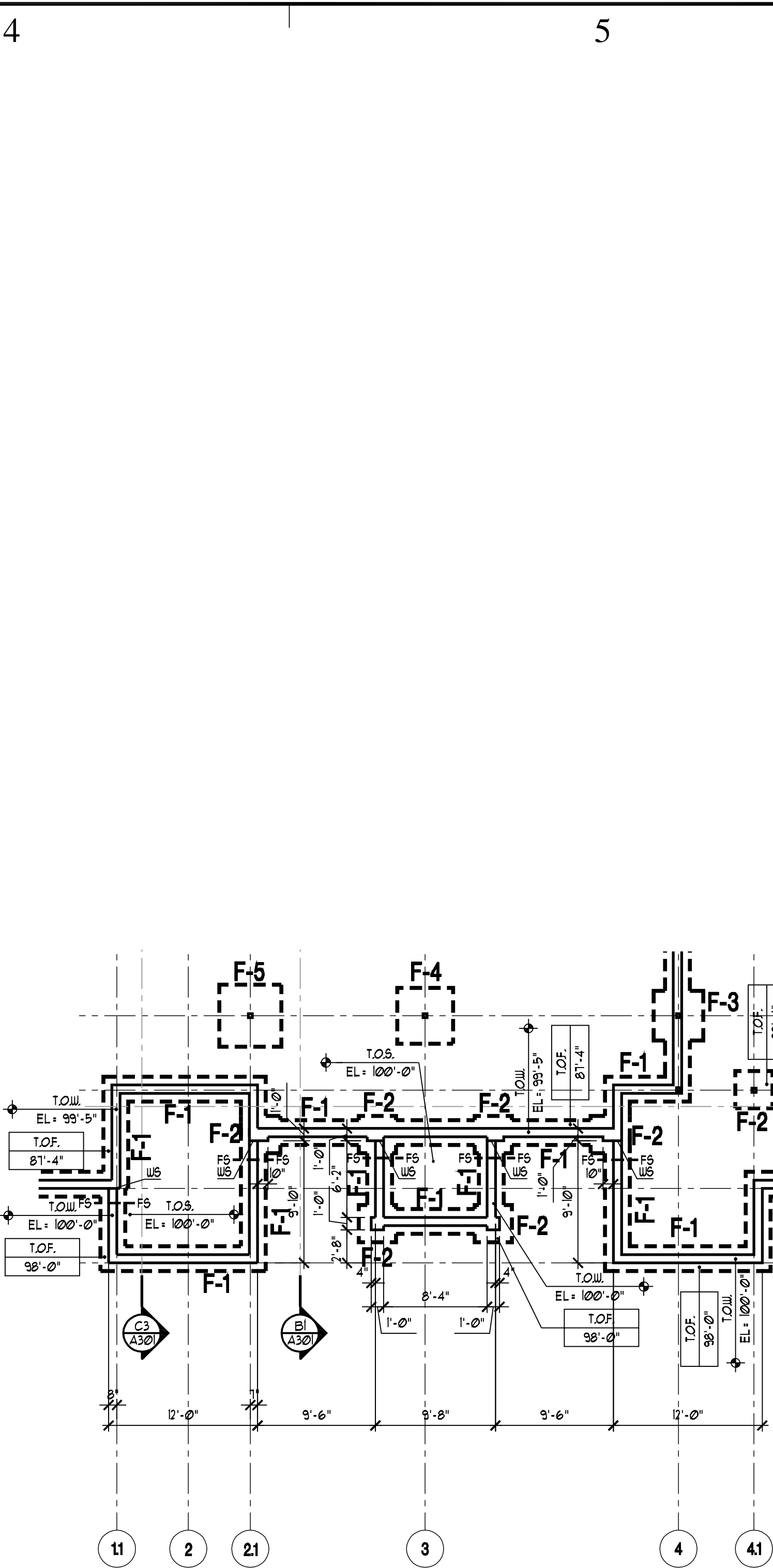
| FOOTING SCHEDULE | | | | | | | | | | | |
|------------------|-------|--------|-------|----------------------------|------|--------|---------|-------------------------|------|--------|---------|
| MARK | WIDTH | LENGTH | THICK | LONGITUDINAL REINFORCEMENT | | | | CROSSWISE REINFORCEMENT | | | |
| | | | | NO. | SIZE | LENGTH | SPACING | NO. | SIZE | LENGTH | SPACING |
| F-1 | 2'-0" | CONT | 12" | - | - | - | - | 3 | #4 | 2'-6" | EQ. |
| F-2 | 3'-0" | 3'-0" | 12" | 3 | #5 | 2'-6" | EQ. | 3 | #5 | 2'-6" | EQ. |
| F-3 | 4'-0" | 4'-0" | 12" | 5 | #5 | 3'-6" | EQ. | 5 | #5 | 3'-6" | EQ. |
| F-4 | 4'-6" | 4'-6" | 12" | 5 | #5 | 4'-0" | EQ. | 5 | #5 | 4'-0" | EQ. |
| F-5 | 6'-6" | 6'-6" | 11" | 9 | #5 | 6'-0" | EQ. | 9 | #5 | 6'-0" | EQ. |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| FOUNDATION WALL REINFORCEMENT SCHEDULE | | | | | | | | REMARKS |
|--|------|---------|----------|------|---------|----------|--|---------|
| WALL THICKNESS | SIZE | SPACING | LOCATION | SIZE | SPACING | LOCATION | | |
| UP TO 8'-0" | 8" | #4 | 16" O/C | #4 | 12" O/C | CENTER | | |
| UP TO 10'-0" | 8" | #5 | 16" O/C | #4 | 12" O/C | CENTER | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| STEEL COLUMN SCHEDULE | |
|-----------------------|----------------------|
| MARK | COLUMN TYPE AND SIZE |
| SC-1 | TS 4 X 4 X 1/4" |
| | |
| | |
| | |

| LEGEND | |
|--------|------------------|
| T.O.W. | : TOP OF WALL |
| T.O.F. | : TOP OF FOOTING |
| T.O.S. | : TOP OF SLAB |
| W.S. | : WALL STEP |
| F.S. | : FOOTING STEP |

TYPICAL FOUNDATION WALL TO BE 8" THICK UNLESS NOTED OTHERWISE
SEE FOUNDATION WALL REINFORCEMENT SCHEDULE FOR REINFORCEMENT.



ENLARGED FOOTING AND FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

5B
S100

STRUCTURAL NOTES

- NOTES:
- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES FOR DIMENSIONS NOT PROVIDED. SEE ARCHITECTURAL DRAWINGS.
 - C.J. DENOTES CONSTRUCTION JOINT. SEE DETAIL 1/5501.
 - S.J. DENOTES SALED JOINT. SEE DETAIL 1/5501.
 - F-1 DENOTES FOOTING SIZE. SEE SCHEDULE SHEET S100.
 - MC-1 DENOTES MASONRY COLUMN. SEE DETAIL 1/5501.
 - HATCHING INDICATES MASONRY WALLS. SEE DETAIL 1/5501.
 - WHERE WALL EXPANSION JOINT OCCURS, RUN BOND BEAT # TOP CONTINUOUS THROUGH JOINT. SEE DETAIL 6/5501 FOR MASONRY WALL CONTROL JOINT.
 - TOP OF SLAB ELEVATION + 100'-0" UNLESS NOTED OTHERWISE. T.O.S. ON PLAN.
 - INTERIOR SLAB ON GRADE SHALL BE 4" CONCRETE REINFORCED WITH 6X6 W 14 X W 4 WWF OVER 4" FREE DRAINING GRAVEL. SEE PLAN FOR EXTERIOR S.O.G.
 - CENTER FOOTINGS ON WALL AND COLUMNS UNLESS DIMENSIONED OTHERWISE ON PLANS.
 - ALL FOOTINGS SHALL BARE ON SUITABLE NATURAL SOILS OR 2'-0" OF COMPACTED STRUCTURAL FILL.
 - GRADES AS SHOWN ON SHT. C-102 ARE APPROXIMATE AND T.O.F. MAY HAVE TO BE ADJUSTED SLIGHTLY TO MEET THE 36" OF COVER NEEDED FOR FROST DEPTH.

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

| | |
|-----------------|------|
| CAD PROJECT NO. | 0025 |
| CAD DWG FILE: | |

DRAWN BY: SW

COPYRIGHT: STATE OF UTAH

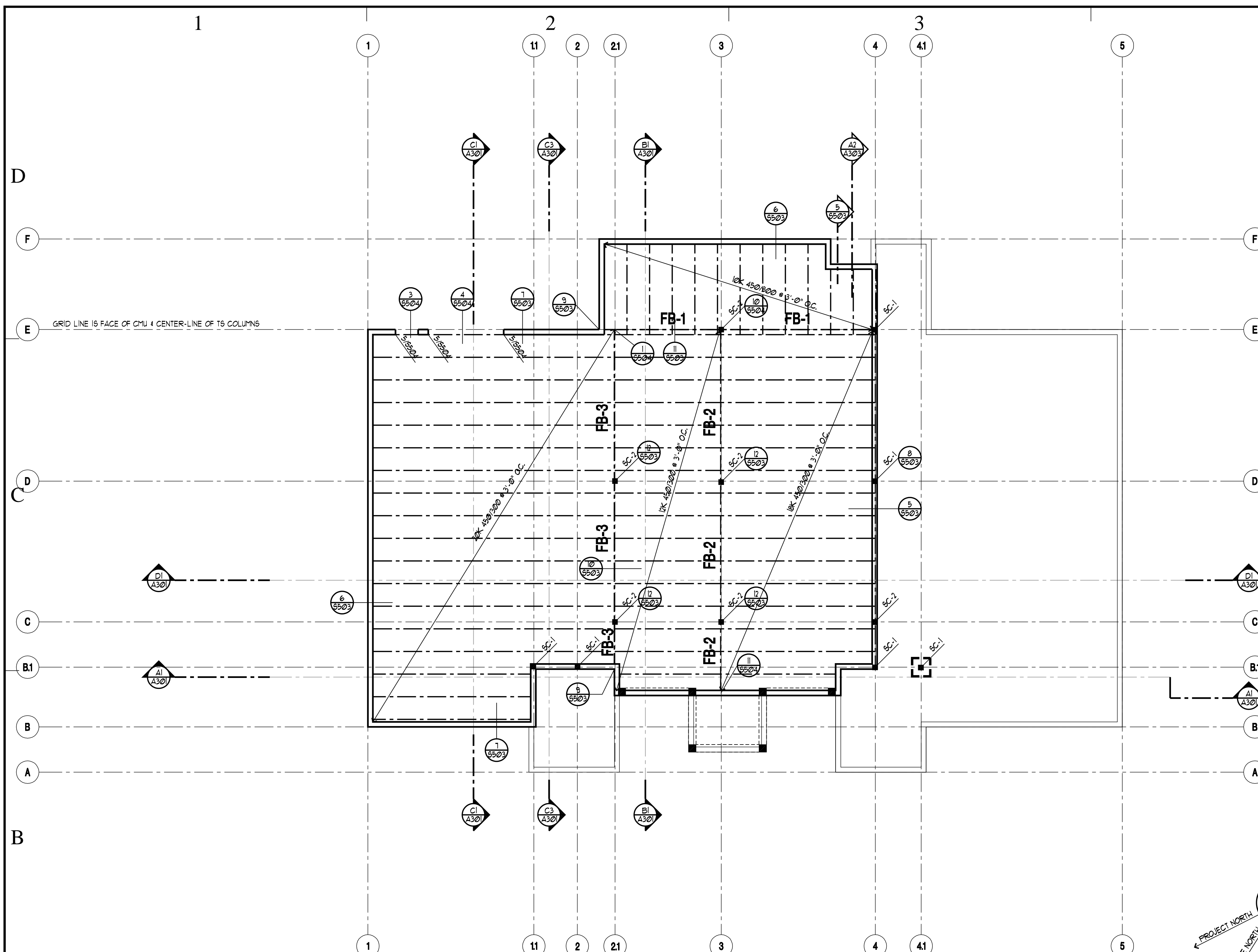
SHEET TITLE

MAIN LEVEL FRAMING PLAN

SHEET NUMBER

S-1 01

SHEET 008 OF 057






NOTE:

1. TYPICAL METAL DECKING TO BE 1 1/2" 20 GA. METAL "B" DECK

2. METAL JOIST SUPPLIER MUST INCORPORATE THE LOADS OF THE ROOF-TOP MECHANICAL EQUIPMENT SHOWN FOR THE FINAL DESIGN LOADING. SEE ROOF PLAN SHT. A-104 FOR POUNDS.


FRAMING LEGEND

| | |
|---|-----------------------------|
|  | ROOF FRAMING OVER BUILD |
|  | INTERIOR BEARING WALLS |
|  | SHEAR WALLS AS PER SCHEDULE |

[illegible][illegible]

STRUCTURAL NOTES

NOTES:

1. SEE SHEET 9001 FOR GENERAL STRUCTURAL NOTES FOR DIMENSIONS NOT PROVIDED, SEE ARCHITECTURAL DRAWINGS.
2. MC-1 DENOTES MASONRY COLUMN, SEE DETAIL 11/5501.
3. M-1 DENOTES MASONRY LINTEL, SEE DETAIL 10/5501.
4. WHERE WALL EXPANSION JOINT OCCURS, RUN BOND BEAM @ TOP CONTIGUOUS THRU JOINT.
5. ROOF DECK SHALL BE 1/4" VERCO TYPE HSB-36, 20 GAUGE PAINTED OR EQUIVALENT, PLACE 3 SPANS CONTIGUOUS MINIMUM, SEE GENERAL NOTES FOR ATTACHMENT.
6. HATCHING INDICATES MASONRY WALLS. 
7. SEE DETAIL 10/5501 FOR TYPICAL ROOF OPENING DETAIL.
8. ALL CONTINUOUS DECK ANGLES TO BE BUTT WELDED AT SPLICES.
9. SEE SHEET 4203 FOR DECK BEARING ELEVATION. ADJUST TOP OF FRAMING TO PROVIDE UNIFORM SLOPE BETWEEN ELEVATIONS SHOWN ON PLAN.
10. SEE DETAIL 10/5501 FOR JOIST REINFORCING FOR POINT LOADS.
11. STEEL STUD WALLS SHALL BE 6" x 18" GA. STEEL STUD @ 16" O.C.
12. OPEN WEB STEEL JOISTS SHALL BE DESIGNED TO CARRY THE ADDITIONAL LOADS FROM MECHANICAL UNITS SHOWN ON THE PLAN.
13. +/- DENOTES TOP OF CHORD POSITIVE OR NEGATIVE AXIAL FORCE.

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

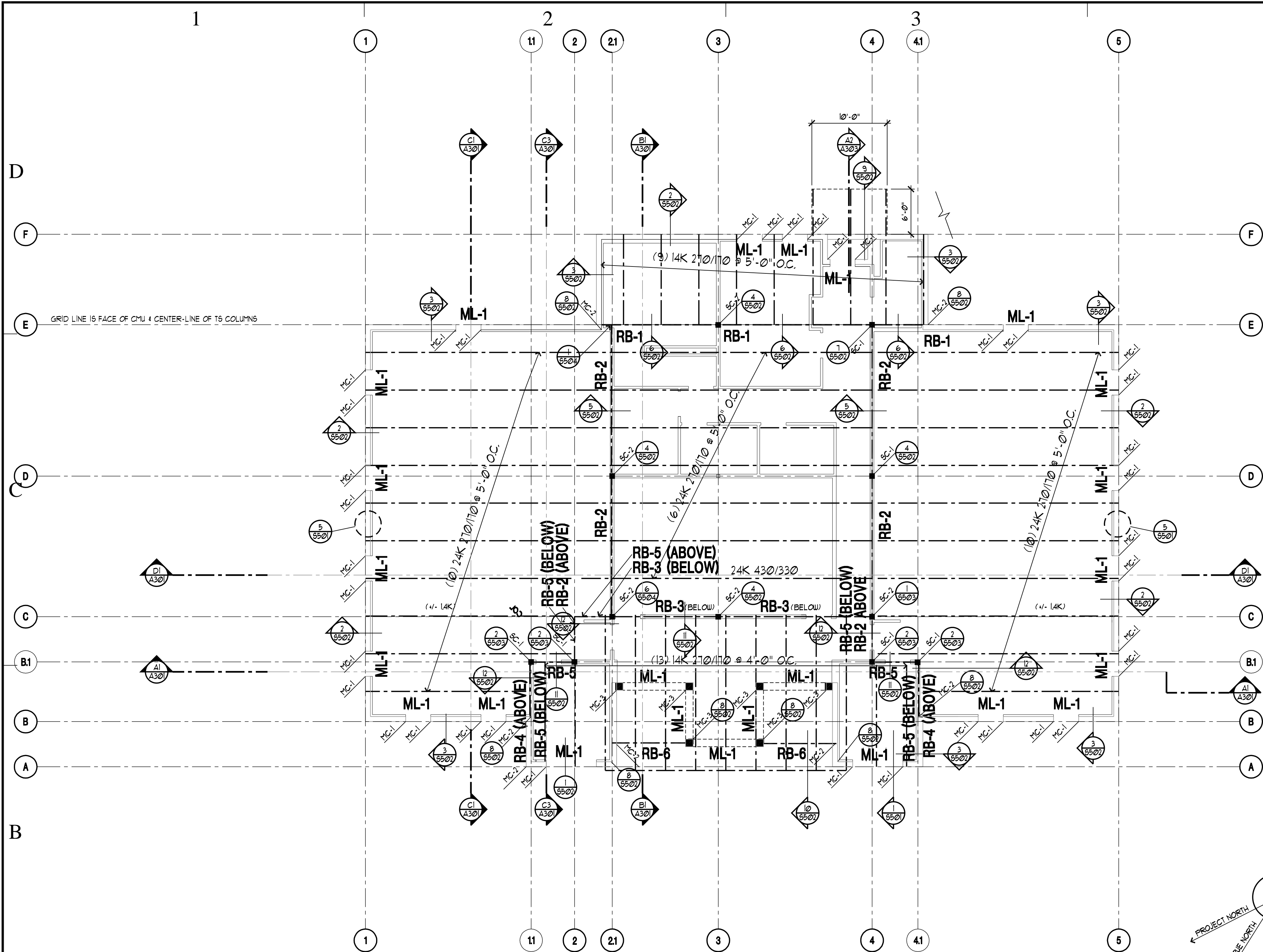
SHEET TITLE

ROOF FRAMING
PLAN

SHEET NUMBER

S-102

SHEET 009 OF 057



NOTE:

1. TYPICAL METAL DECKING TO BE 1 1/2 20 GA. METAL "B" DECK
2. METAL JOIST SUPPLIER MUST INCORPORATE THE LOADS OF THE ROOF-TOP MECHANICAL EQUIPMENT SHOWN FOR THE FINAL DESIGN LOADING. SEE ROOF PLAN SHT. A-104 FOR POUNDS.

FRAMING
LEGEND

| | |
|--|-----------------------------|
| | ROOF FRAMING OVER BUILD |
| | INTERIOR BEARING WALLS |
| | SHEAR WALLS AS PER SCHEDULE |

STEEL COLUMN
SCHEDULE

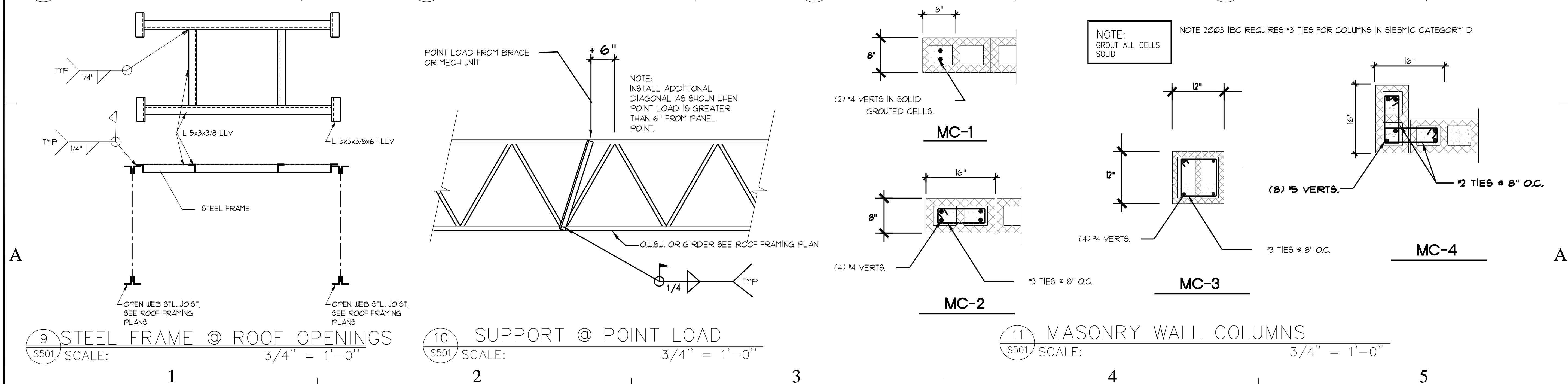
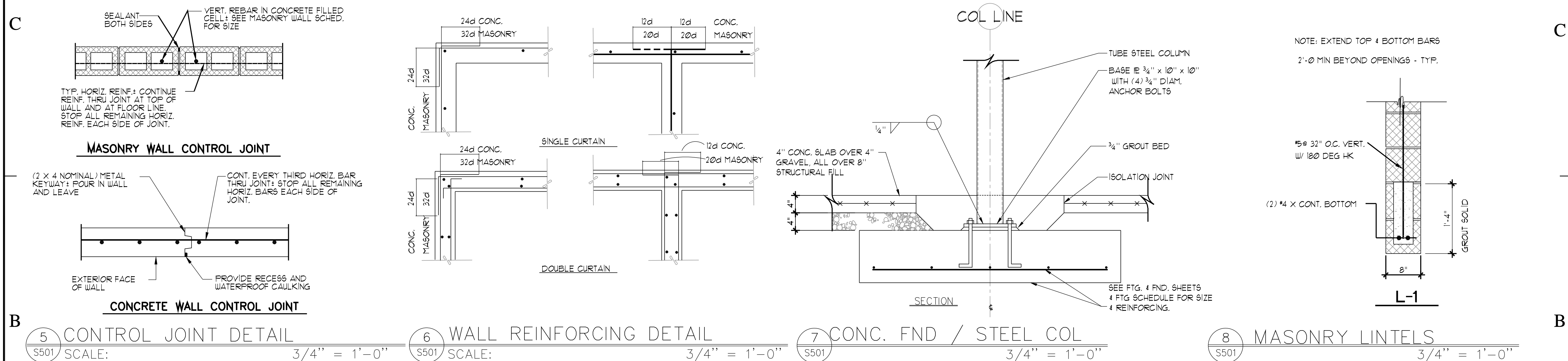
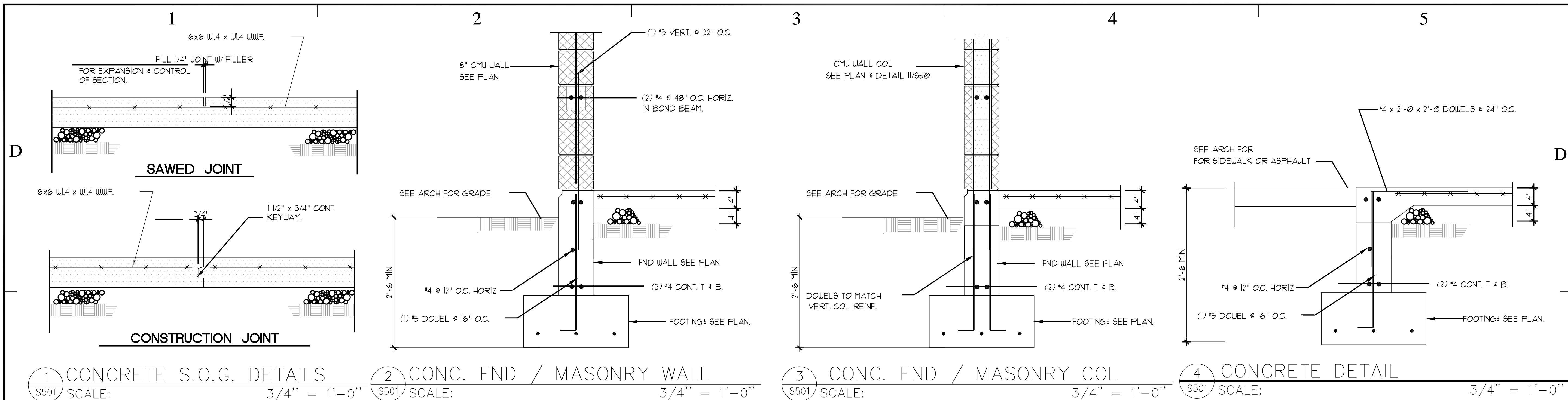
| MARK | COLUMN TYPE AND SIZE |
|------|----------------------|
| SC-1 | TS 4 X 4 X 1/4" |
| SC-2 | - |
| SC-3 | - |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

BEAM
SCHEDULE

| MARK | BEAM TYPE AND SIZE |
|------|--------------------|
| RB-1 | W6 X 31 |
| RB-2 | W6 X 31 |
| RB-3 | W6 X 31 |
| RB-4 | W10 X 22 |
| RB-5 | W10 X 22 |
| RB-6 | W8 X 18 |
| | |
| | |
| | |
| | |
| | |

STRUCTURAL NOTES

- NOTES:
1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES FOR DIMENSIONS NOT PROVIDED, SEE ARCHITECTURAL DRAWINGS.
 2. MC-1 DENOTES DENOTES MASONRY COLUMN, SEE DETAIL 11/5501.
 3. ML-1 DENOTES MASONRY LINTEL, SEE DETAIL 8/5501.
 4. WHERE WALL EXPANSION JOINT OCCURS, RUN BOND BEAM # TOP CONTINUOUS THRU JOINT.
 5. ROOF DECK SHALL BE 1/2" VERCO TYPE HSB-36, 20 GAUGE PAINTED OR EQUIVALENT, PLACE 3 SPANS CONTINUOUS MINIMUM, SEE GENERAL NOTES FOR ATTACHMENT.
 6. HATCHING INDICATES MASONRY WALLS.
 7. SEE DETAIL 9/5501 FOR TYPICAL ROOF OPENING DETAIL.
 8. ALL CONTINUOUS DECK ANGLES TO BE BUTT WELDED AT SPICES.
 9. SEE SHEET A203 FOR DECK BEARING ELEVATION. ADJUST TOP OF FRAMING TO PROVIDE UNIFORM SLOPE BETWEEN ELEVATIONS SHOWN ON PLAN.
 10. SEE DETAIL 10/5501 FOR JOIST REINFORCING FOR POINT LOADS.
 11. STEEL STUD WALLS SHALL BE 8" X 18" GA. STEEL STUD # 16" O.C.
 12. OPEN WEB STEEL JOISTS SHALL BE DESIGNED TO CARRY THE ADDITIONAL LOADS FROM MECHANICAL UNITS SHOWN ON THE PLAN.
 13. +/- DENOTES TOP OF CHORD POSITIVE OR NEGATIVE AXIAL FORCE.

[illegible]

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD DWG FILE:

DRAWN BY: T

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

STRUCTURAL DETAILS

SHEET NUMBER

S5 01

SHEET 010 OF 057

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: TD

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

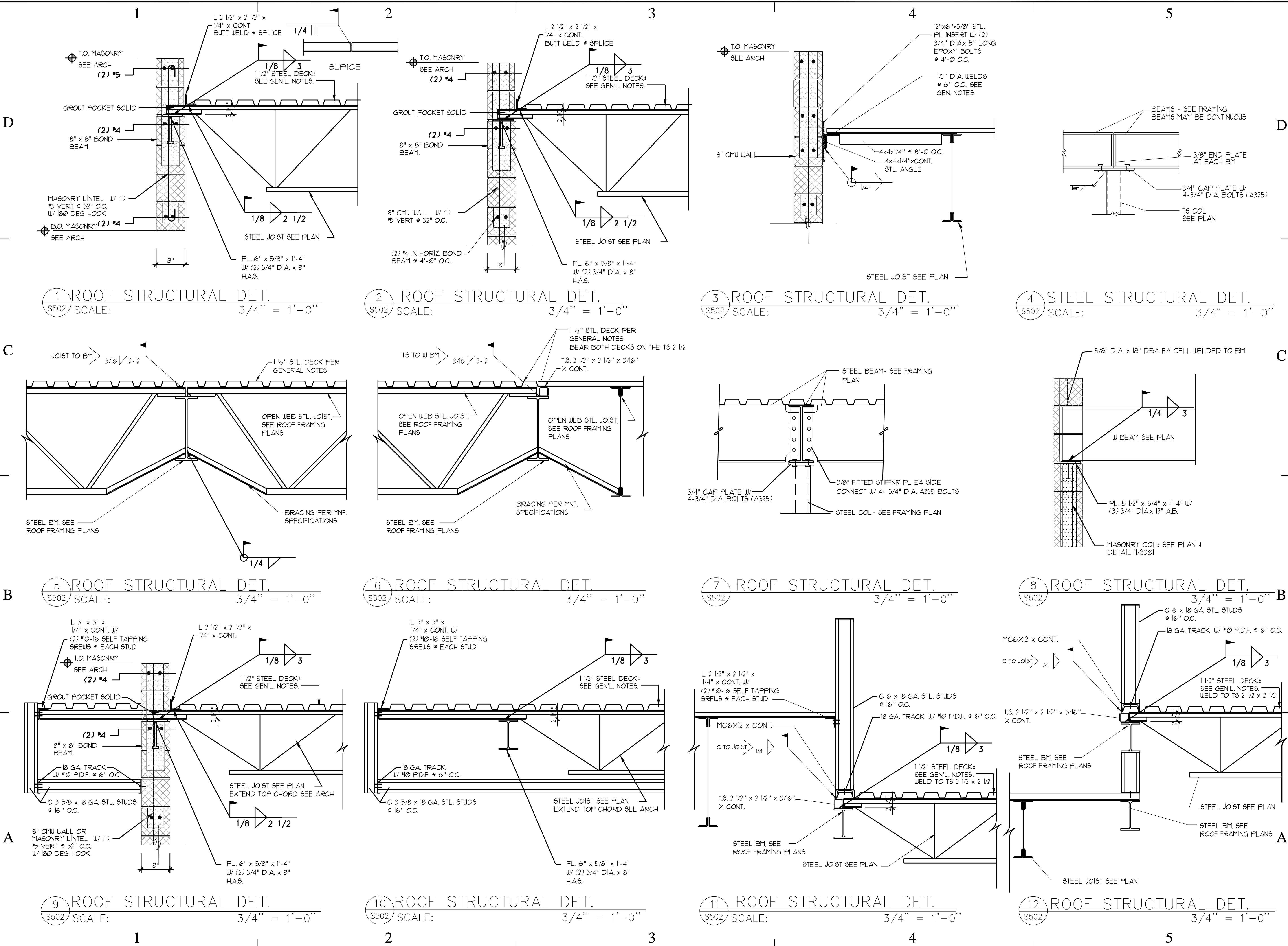
SHEET TITLE

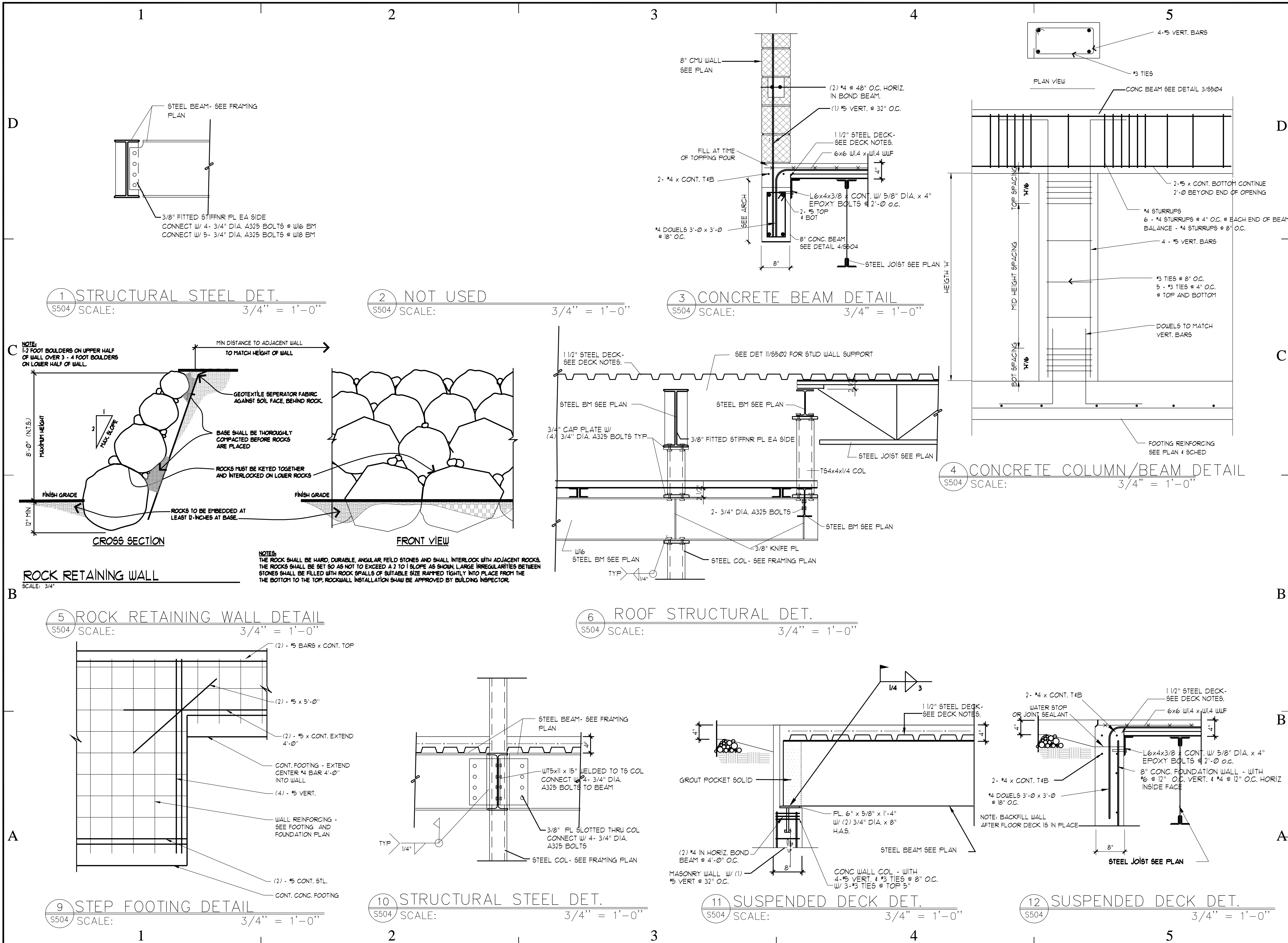
STRUCTURAL
DETAILS

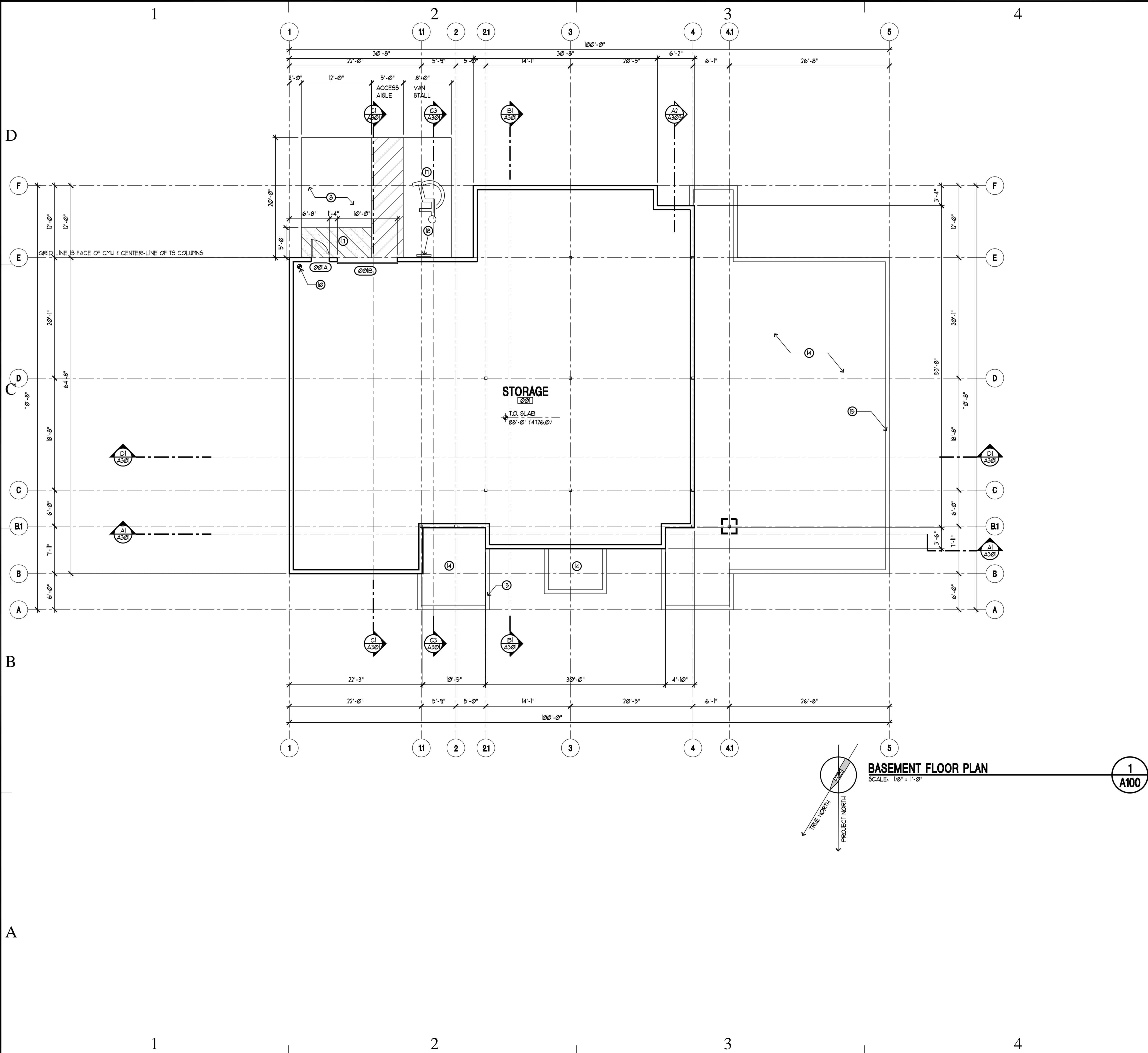
SHEET NUMBER

S5 02

SHEET 011 OF 057







LEGEND- FLOOR PLANS ONLY

CONCRETE MASONRY WALL

METAL STUD WALL

DOOR TAG

WINDOW TAG

DETAIL TAG

KEY NOTE TAG

REVISION TAG

BUILDING GRID TAG

BUILDING SECTION TAG

WALL SECTION TAG

WALL TYPE TAG

TO CENTER LINE OF STEEL COLUMN OR FACE OF CMU, UNLESS NOTED OTHERWISE

TO WALL TYPE NOTED, NOT DETAIL TAG

KEY NOTES

1

DASHED LINE INDICATES ROOF CANOPY ABOVE - SEE ROOF PLAN - SHEET A104

2

ROOF LADDER - SEE DETAIL A5/A504

3

HIGH LOW WATER COOLER

4

FIRE EXTINGUISHER CABINET - SEE DETAIL A5/A502. PROVIDE A CLASS A (LIGHT HAZARD OCCUPANT) PORTABLE FIRE EXTINGUISHER - RATED 2-A MIN. FOR A SINGLE EXTINGUISHER.

5

FLOOR DRAIN - SEE PLUMBING

6

4" CONCRETE ENTRY SLAB TIED TO THRESHOLD AND CONCRETE WALK - SEE SHEET C101 OF CONCRETE WALK

7

TUBE STEEL COLUMN INSIDE METAL WALL FRAMING - SEE DETAIL A4/A502 AND STRUCTURE FOR SIZE AND CONNECTION

8

4" CONC PAD OVER 4" OF GRANULAR FILL. SLOPE AT 1/8"/FT. AWAY FROM DOORS. COORDINATE W/ KEYNOTE #1.

9

ELECTRICAL PANEL LOCATION - COORDINATE WITH ELECTRICAL DRAWINGS. CONTRACTOR RESPONSIBLE FOR CLEARANCES IN FRONT OF PANEL.

10

FIRE EXTINGUISHER - SAME AS NOTE 4 ABOVE WITH NO CABINET - USE WALL MOUNTED BRACKET.

11

RURR-OUT FOR 2 1/2" DIA. PLUMBING PIPE.

12

EXPOSED T.S. COLUMN

13

NO ITEMS ARE TO BE PAINTED AT THIS LEVEL, UNO.

14

SLAB-ON-GRADE AREA

15

CONCRETE FOUNDATION WALL

16

PLUMBING VALUE ACCESS DOOR FLUSH W/ GYP. BOARD.

17

PROVIDE (1) VAN ACCESSIBLE STALL AND ACCESS LANE AS PART OF KEY NOTE #8 ABOVE. MODIFY SURFACE OF SLAB SO THAT ACCESS AISLE, VAN STALL, AND 5' WIDE HATCHED AREA TO DOOR HAS SLOPES W/ 1:48 MAX.

18

ACCESSIBLE PARKING SIGN - SEE DETAIL C5/A506. ATTACH TO CONCRETE WALL AT APPROPRIATE HEIGHT.

GENERAL NOTES

1.

COORDINATE W/ MECHANICAL & ELECTRICAL PLANS FOR UNDER SLAB EQUIPMENT & REQUIREMENTS.

2.

ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR GRID - UNLESS NOTED OTHERWISE.

3.

COORDINATE WITH FINISH FLOOR PLAN, SHEET A102 FOR ALL FINISHES, INTERIOR ELEVATIONS, AND TRANSITION DETAILS.

4.

RESTROOM ACCESSORIES TO BE OWNER PROVIDED, OWNER INSTALLED - UNO.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: SW

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

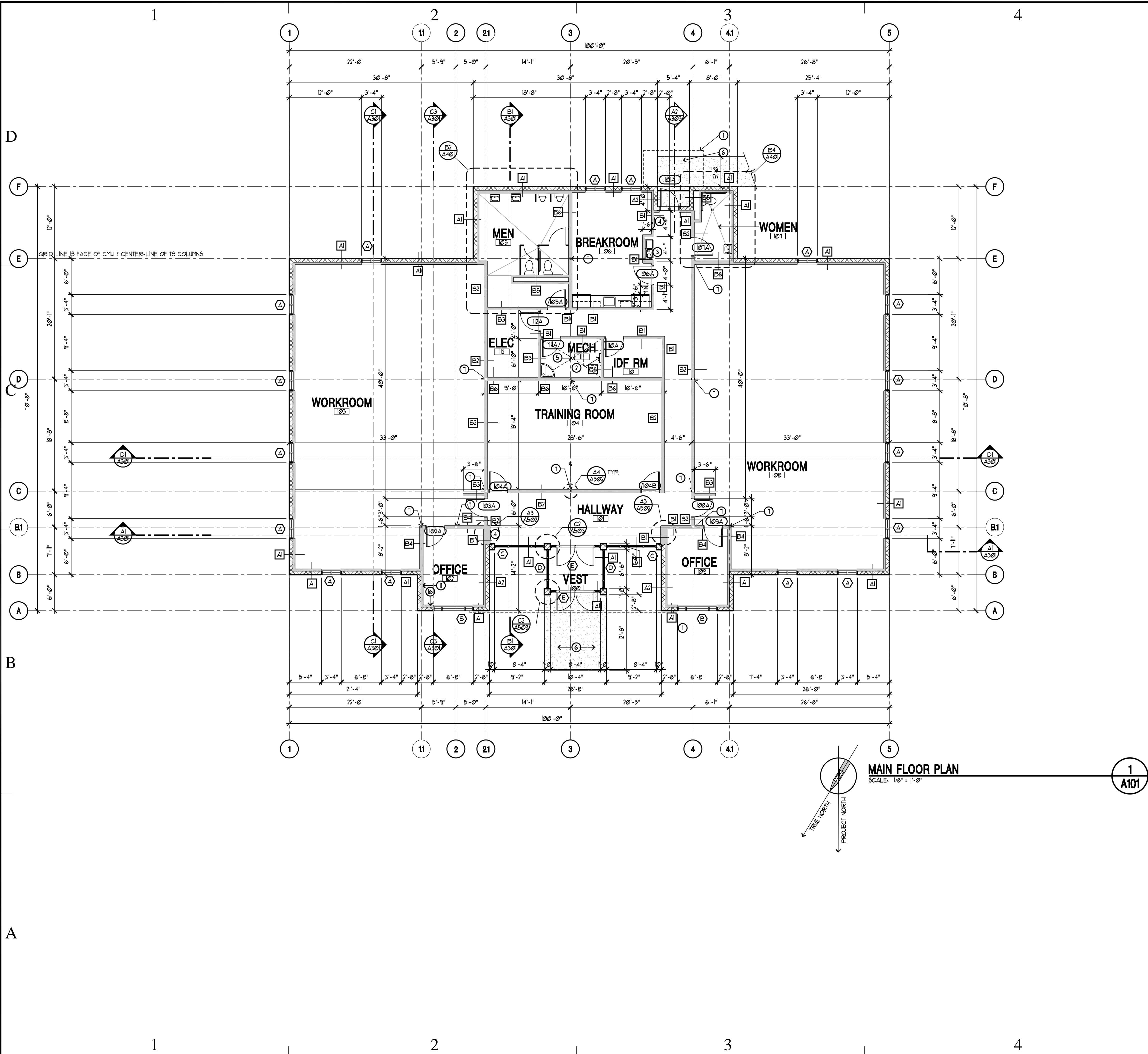
BASEMENT
FLOOR PLAN

SHEET NUMBER

A-100

SHEET 014 OF 057

5/12/2006 4:13:16 PM



LEGEND- FLOOR PLANS ONLY

CONCRETE MASONRY WALL

METAL STUD WALL

DOOR TAG

-SEE SCHEDULE ON

WINDOW TAG

-SEE SCHEDULE ON

DETAIL TAG

KEY NOTE TAG

REVISION TAG

BUILDING GRID TAG

TO CENTER LINE OF STEEL COLUMN OR FACE OF CMU, UNLESS NOTED OTHERWISE

BUILDING SECTION TAG

WALL SECTION TAG

WALL TYPE TAG

A1 FOR EXAMPLE, REFERS TO WALL TYPE NOTED, NOT DETAIL TAG

KEY NOTES

① DASHED LINE INDICATES ROOF CANOPY ABOVE - SEE ROOF PLAN - SHEET A104

② ROOF LADDER - SEE DETAIL A5/A504

③ HIGH LOW WATER COOLER

④ FIRE EXTINGUISHER CABINET - SEE DETAIL A5/A502. PROVIDE A CLASS A (LIGHT HAZARD OCCUPANT) PORTABLE FIRE EXTINGUISHER - RATED 2-A MIN. FOR A SINGLE EXTINGUISHER.

⑤ FLOOR DRAIN - SEE PLUMBING

⑥ 4" CONCRETE ENTRY SLAB TIED TO THRESHOLD AND CONCRETE WALK - SEE SHEET C101 OF CONCRETE WALK

⑦ TUBE STEEL COLUMN INSIDE METAL WALL FRAMING - SEE DETAIL A4/A502 AND STRUCTURE FOR SIZE AND CONNECTION

⑧ 4" CONC PAD OVER 4" OF GRANULAR FILL. SLOPE AT 1/8"FT. AWAY FROM DOORS. COORDINATE W/ KEYNOTE #1.

⑨ ELECTRICAL PANEL LOCATION - COORDINATE WITH ELECTRICAL DRAWINGS. CONTRACTOR RESPONSIBLE FOR CLEARANCES IN FRONT OF PANEL.

⑩ FIRE EXTINGUISHER - SAME AS NOTE 4 ABOVE WITH NO CABINET - USE WALL MOUNTED BRACKET.

⑪ RURR-OUT FOR 2 1/2" DIA. PLUMBING PIPE.

⑫ EXPOSED T.S. COLUMN.

⑬ NO ITEMS ARE TO BE PAINTED AT THIS LEVEL, UNO.

⑭ SLAB-ON-GRADE AREA

⑮ CONCRETE FOUNDATION WALL

⑯ PLUMBING VALVE ACCESS DOOR FLUSH W/ GYP. BOARD.

⑰ PROVIDE (1) VAN ACCESSIBLE STALL AND ACCESS LANE AS PART OF KEY NOTE #8 ABOVE. MODIFY SURFACE OF SLAB SO THAT ACCESS AISLE, VAN STALL, AND 5' WIDE HATCHED AREA TO DOOR HAS SLOPES W/ 1:48 MAX.

⑱ ACCESSIBLE PARKING SIGN - SEE DETAIL C5/A506. ATTACH TO CONCRETE WALL AT APPROPRIATE HEIGHT.

GENERAL NOTES

1. COORDINATE W/ MECHANICAL & ELECTRICAL PLANS FOR UNDER SLAB EQUIPMENT & REQUIREMENTS.

2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR GRID - UNLESS NOTED OTHERWISE.

3. COORDINATE WITH FINISH FLOOR PLAN, SHEET A102 FOR ALL FINISHES, INTERIOR ELEVATIONS, AND TRANSITION DETAILS.

4. RESTROOM ACCESSORIES TO BE OWNER PROVIDED, OWNER INSTALLED - UNO.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

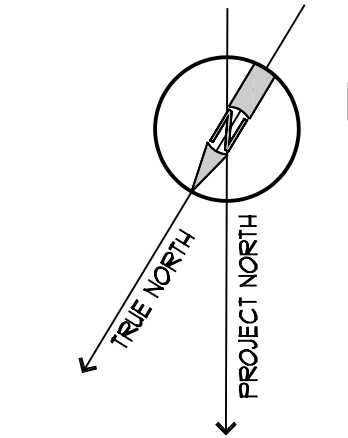
MAIN
FLOOR PLAN

SHEET NUMBER

A-101

SHEET 015 OF 057

5/12/2006 4:13:22 PM



SCALE: 1/8" = 1'-0"

B1
A-102

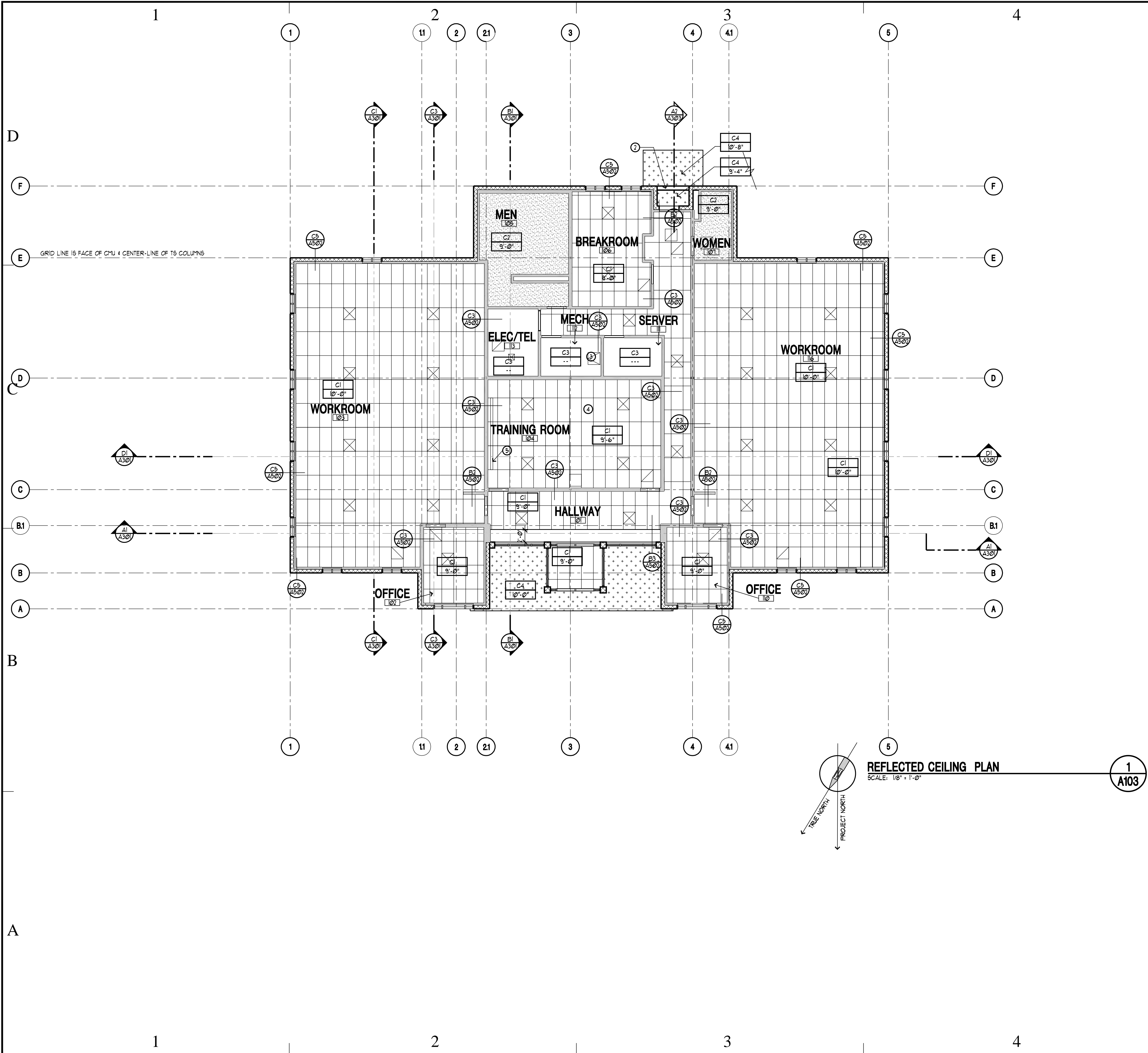
REVISION TABLE

1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN ALL PARTITION LOCATIONS, IN CASE OF CONFLICT, NOTIFY ARCHITECT.
2. SEE SHEET 1-200 FOR FINISH SCHEDULE.
3. TRANSITION FLOOR MATERIALS UNDER CENTERLINE OF DOOR (TYP.) UNO.
4. NOT USED.
5. NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE ARCHITECT/OWNER WILL BE REJECTED.
6. ALL COLORS ARE TO BE SELECTED BY THE ARCHITECT, UNO.
7. STAINED AND PAINTED SURFACES SHALL BE FINISHED SUCH THAT JOINTS ARE NOT VISIBLE WHEN VIEWED FROM ANY REASONABLE ANGLE.
8. PAINT ALL EXISTING EXPOSED SURFACES, UNO, INCLUDING GRILLES, PERIMETER DRAPERY POCKETS, SILL, FIRE HOSE OR EXTINGUISHER CABINETS, EXPOSED PIPING, ETC., UNO.
9. FURNITURE SHOWN IS FOR REFERENCE ONLY, N.J.C.

- ① 4" CONCRETE PAD - SEE SHT. A-101 FOR DIMENSIONS ALSO SEE SHT. C-101 (SITE PLAN) FOR CONTINUATION OF CONCRETE SIDEWALK.
- ② 4" CONCRETE SIDEWALK - SEE SHEET C-101.
- ③ EXTEND TO MATCH UP TO SIDEWALK AT BUILDING #3 - SEE SHEET C-101.
- ④ CUBICLES BY OWNER, N.J. (SHOWN FOR REFERENCE ONLY)

⑤ SC-I FINISH MAY BE SUBSTITUTED WITH PAINTED CONCRETE AT CONTRACTORS OPTION.

SHEET 016 OF 057



1

KEY NOTE TAG

△

REVISION TAG

C1

9'-0"

FINISHED CEILING HEIGHT
CEILING FINISH - SEE FINISH SCHEDULE
RECESSED LIGHT FIXTURE,
COORD. W/ ELECTRICIAN

⊗

WALL SCONCE LIGHT FIXTURE

■

LAY-IN LIGHT FIXTURE,
COORD. W/ MECHANICAL

⊗

EXIT LIGHT, COORD. W/ ELECT.

■

SUSPENDED OR SURFACE MOUNT
LIGHT

⊗

MECH. SUPPLY DIFFUSER, COORD.
W/ MECHANICAL

⊗

MECH. RETURN DIFFUSER,
COORD. W/ MECHANICAL

⊗

EXHAUST DIFFUSER

•

FIRE SPRINKLER

CEILING TYPES

C1

2 X 4 ACOUSTICAL TILE, PROVIDE
SAMPLE FOR APPROVAL PRIOR TO
INSTALLATION

C2

5/8" TYPE-X GYPSUM BOARD
CEILING, TAPED, SANDED AND
FINISH AS SELECTED

C3

EXPOSED STRUCTURE

KEYNOTES

①

SEE C1/A502 & C2/A502 FOR SEISMIC BRACING DETAILS.

②

CMU LINTEL - SEE WALL SECTION A2/A303.

③

ROOF HATCH PENETRATION.

④

EXPOSED PLUMBING LINES

⑤

HOUSING FOR ROLL-UP DOOR.

⑥

STEEL BEAMS.

⑦

FLOOR/CEILING HAS A 1-HR. FIRE RATING. ALL PENETRATIONS MUST BE
PROTECTED.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN
INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC
REPRESENTATION & MODELS THEREOF, ARE
PROPRIETARY & CAN NOT BE COPIED,
DUPLICATED, OR COMMERCIALY EXPLOITED IN
WHOLE OR IN PART WITHOUT THE SOLE AND
EXPRESS WRITTEN PERMISSION FROM THE STATE
OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED
REVIEW AND EVALUATION BY CLIENTS,
CONSULTANTS, CONTRACTORS, GOVERNMENT
AGENCIES, VENDORS, AND OFFICE PERSONNEL
ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

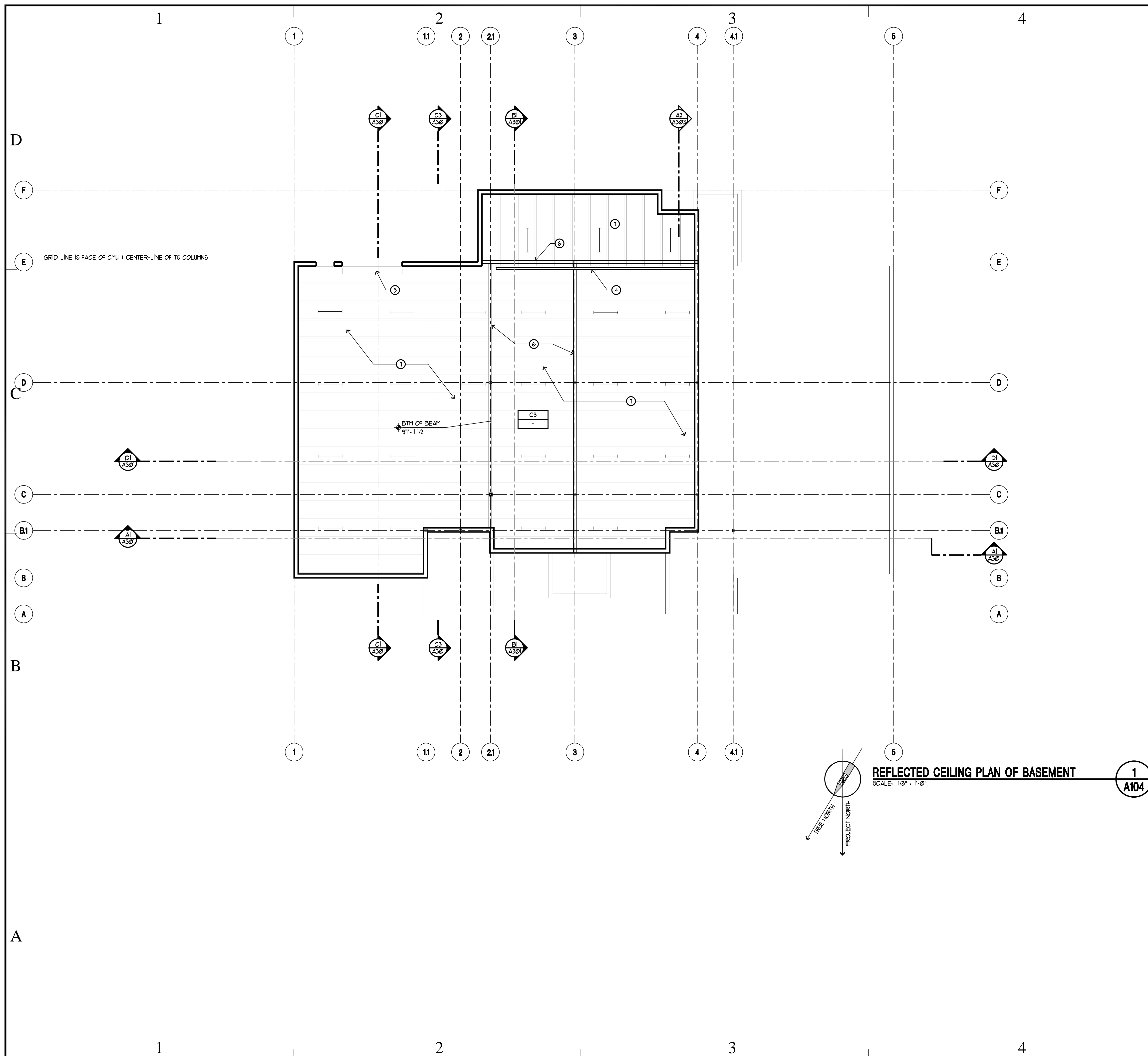
MAIN LEVEL
REFLECTED
CEILING PLAN



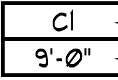








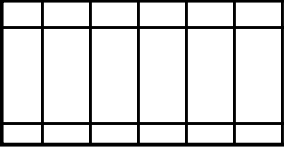
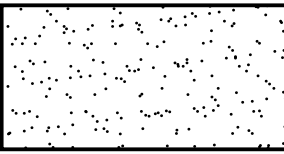

SHEET NUMBER

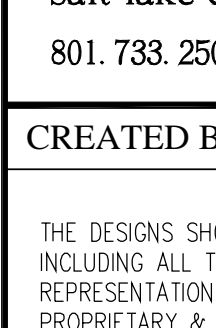
A-103

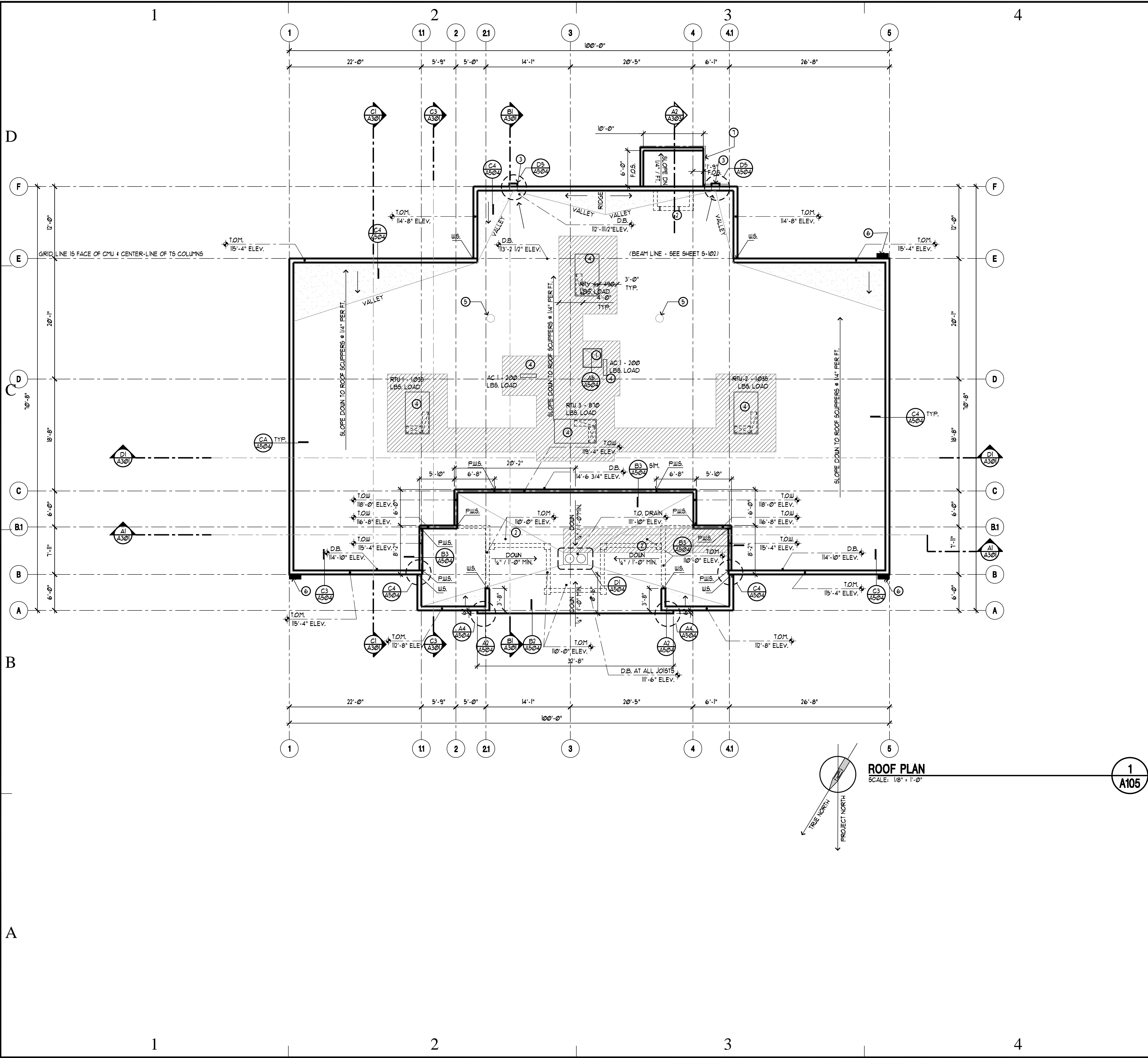
SHEET 017 OF 057

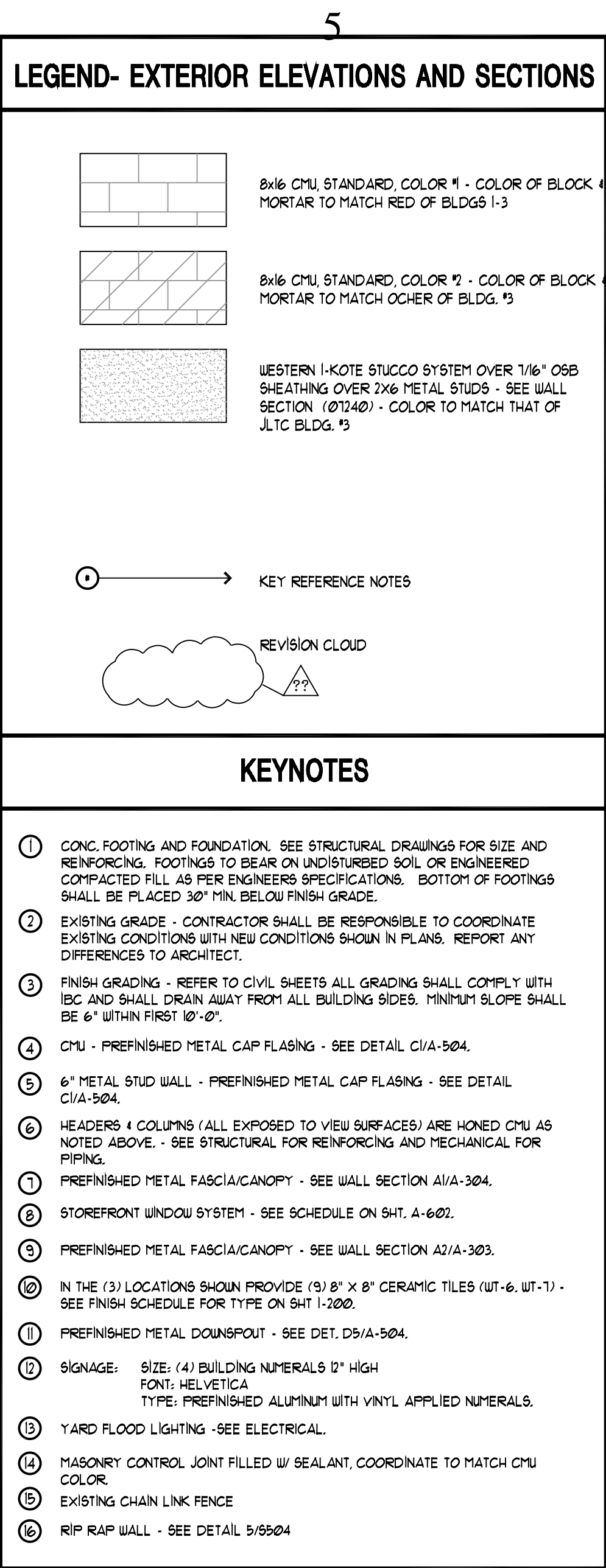
5/12/2006 4:13:34 PM



| | |
|--|--|
| 5 | |
| LEGEND | |
|  | KEY NOTE TAG |
|  | REVISION TAG |
|  | FINISHED CEILING HEIGHT CEILING FINISH - SEE FINISH SCHEDULE |
|  | RECESSED LIGHT FIXTURE, COORD. W/ ELECTRICIAN |
|  | WALL SCONCE LIGHT FIXTURE |
|  | LAY-IN LIGHT FIXTURE, COORD. W/ ELECTRICIAN |
|  | EXIT LIGHT, COORD. W/ ELECT. |
|  | SUSPENDED OR SURFACE MOUNT LIGHT |
|  | MECH. SUPPLY DIFFUSER, COORD. W/ MECHANICAL |
|  | MECH. RETURN DIFFUSER COORD. W/ MECHANICAL |
|  | EXHAUST DIFFUSER |
| | FIRE SPRINKLER |
| CEILING TYPES | |
|  | C1 2 X 4 ACoustical TILE, PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION |
|  | C2 5/8" TYPE-X GYPSUM BOARD CEILING, TAPED, SANDED AND FINISH AS SELECTED |
|  | C3 EXPOSED STRUCTURE |
| KEYNOTES | |
| <p>① SEE C1/A502 & C2/A502 FOR SEISMIC BRACING DETAILS.</p> <p>② CMU LINTEL - SEE WALL SECTION A2/A303.</p> <p>③ ROOF HATCH PENETRATION.</p> <p>④ EXPOSED PLUMBING LINES</p> <p>⑤ HOUSING FOR ROLL-UP DOOR.</p> <p>⑥ STEEL BEAMS.</p> <p>⑦ FLOOR/CEILING HAS A 1-HR-FIRE RATING. ALL PENETRATIONS MUST BE PROTECTED.</p> | |
| 5 | |

| | | |
|---|------|-------------|
|  | | |
| 6465 s. 3000 e. suite 205 salt lake city utah 84121 801. 733. 2500 fax 801. 733. 2501 | | |
| CREATED BY: JSA ARCHITECTS | | |
| THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH. | | |
| THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE. | | |
| CONSULTANTS: | | |
| | | |
| BUILDING NAME: | | |
| UTAH NATIONAL GUARD JLTC | | |
| PROJECT TITLE: | | |
| BUILDING #4 CAMP WILLIAMS DRAPER, UT | | |
| MARK | DATE | DESCRIPTION |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ISSUE TYPE: CONSTRUCTION SET | | |
| ISSUE DATE: 5/18/06 | | |
| DFCM PROJECT NO: 06013480 | | |
| CAD PROJECT NO: 0625 | | |
| CAD DWG FILE: | | |
| DRAWN BY: CDJ | | |
| CHK'D BY: CJ | | |
| COPYRIGHT: STATE OF UTAH | | |
| SHEET TITLE | | |
| BASEMENT REFLECTED CIELING PLAN | | |
| SHEET NUMBER | | |
| A-104 | | |
| SHEET 018 OF 057 | | |



[illegible]

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE

DRAWN BY: C

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

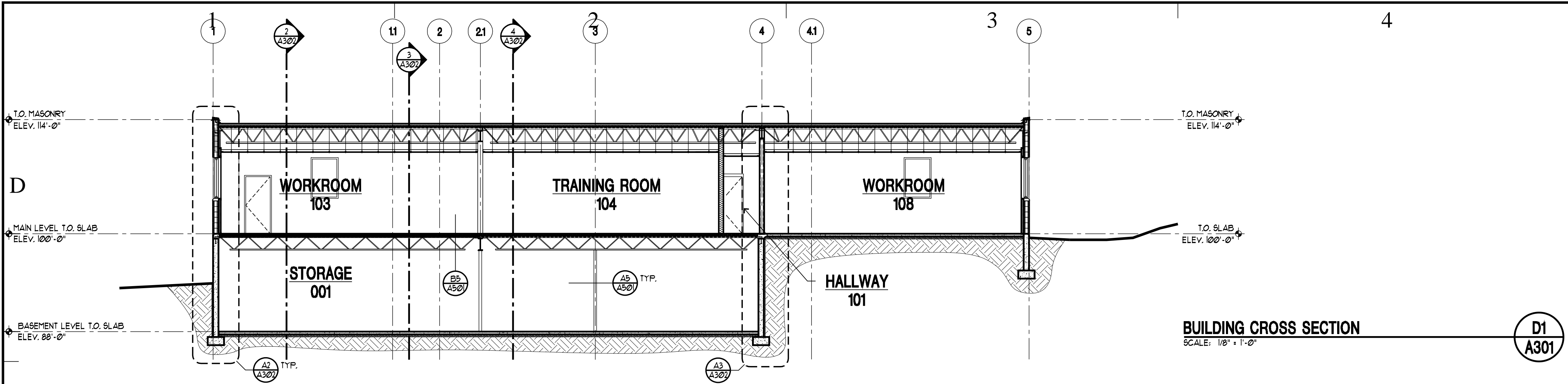
SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

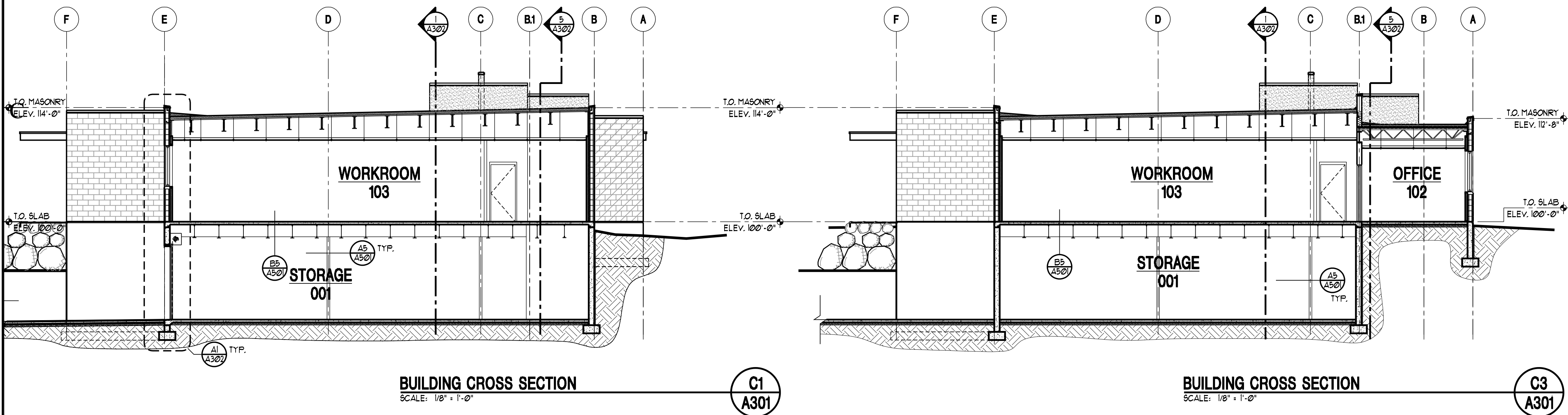
A-2 01

SHEET 020 OF 057



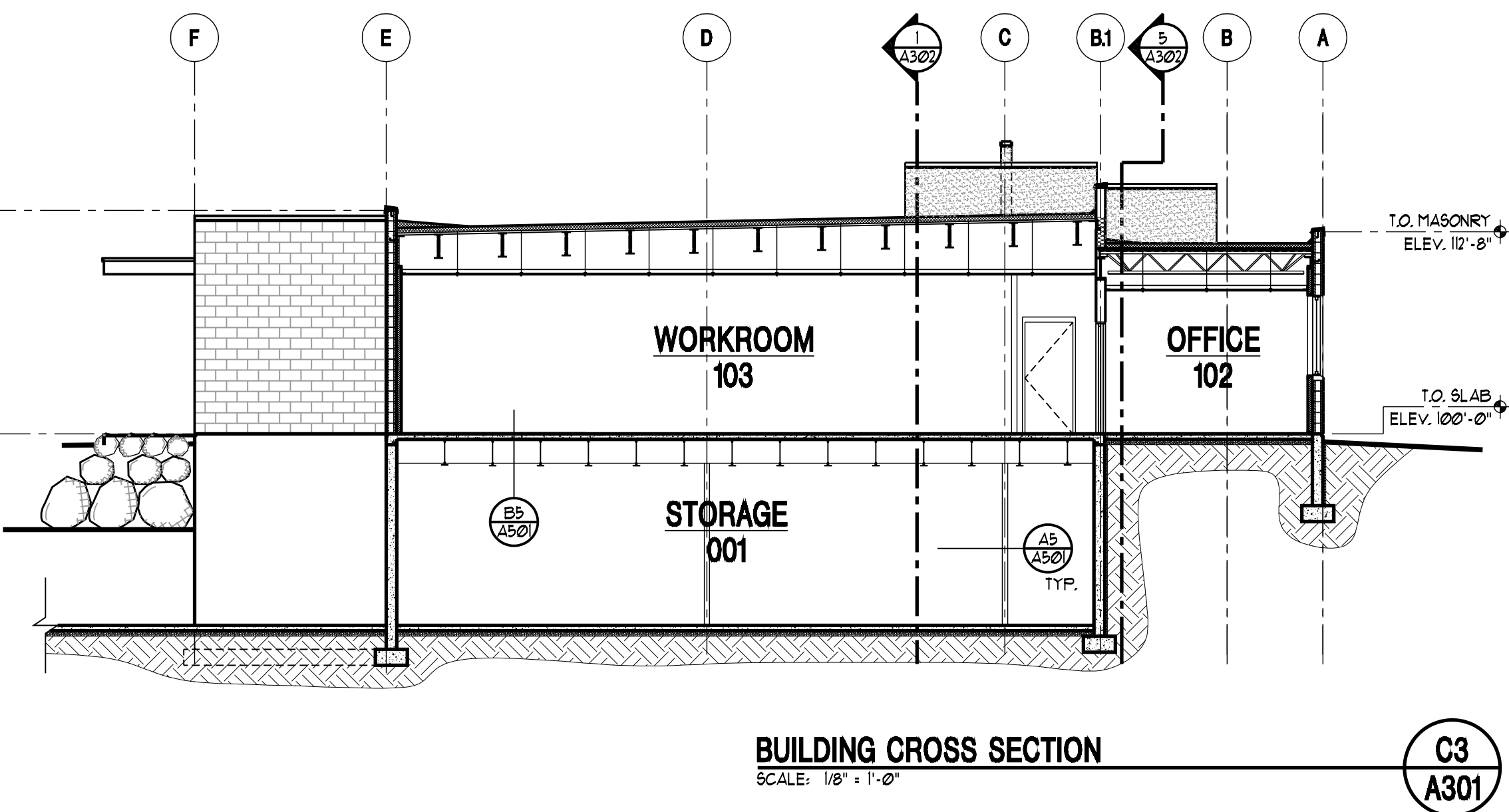
BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

D1
A301



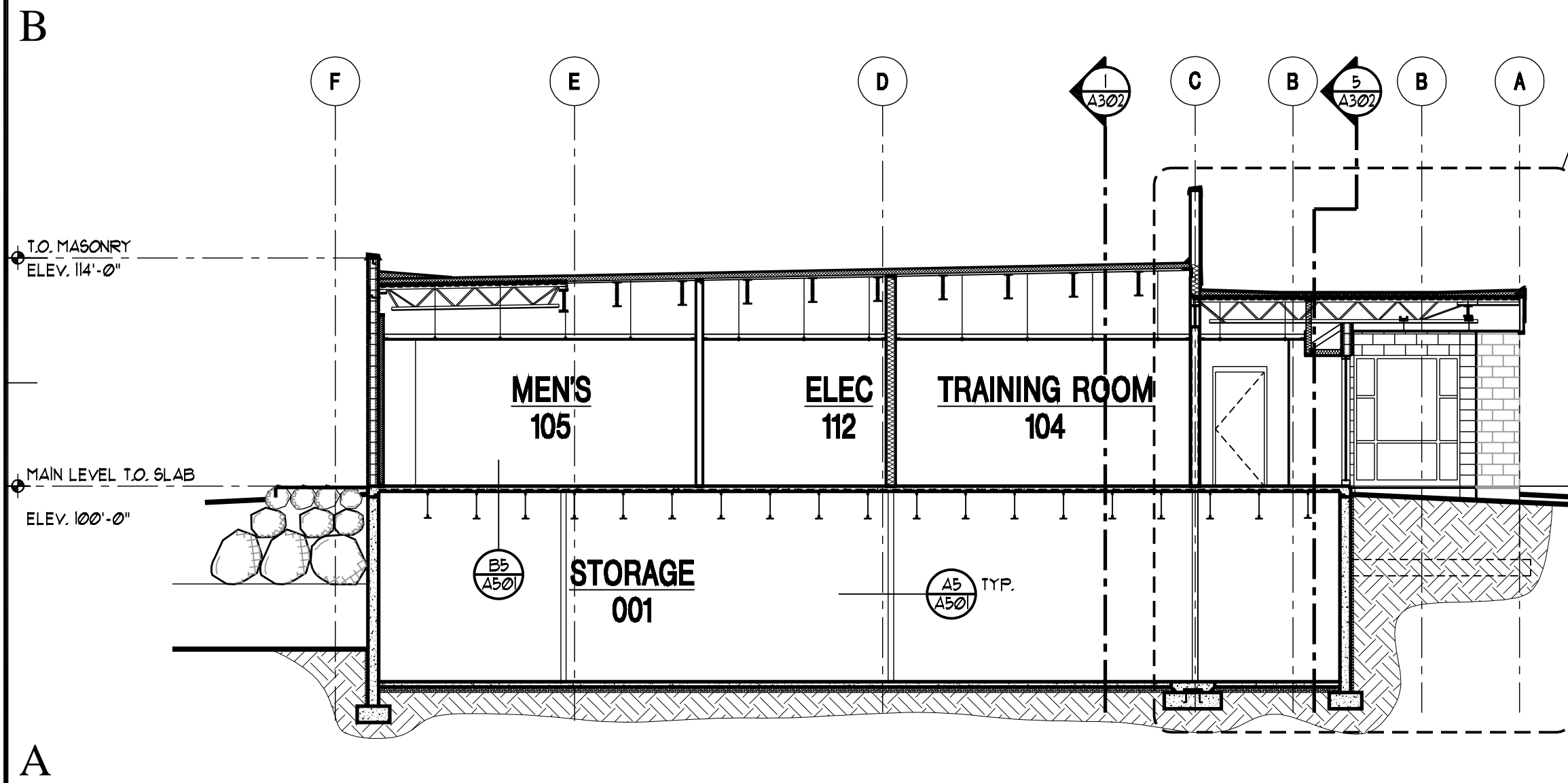
BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

C1
A301



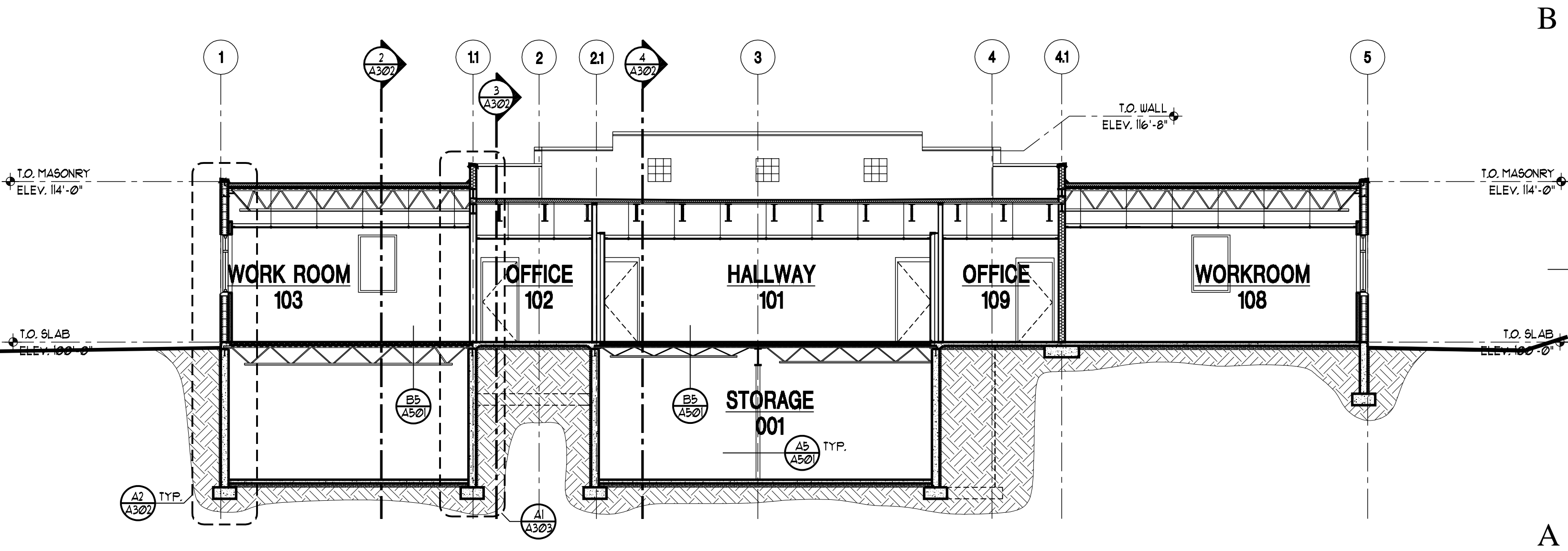
BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

C3
A301



BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

B1
A301



BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

A1
A301

LEGEND- EXTERIOR ELEVATIONS AND SECTIONS

- 8x16 CMU STANDARD, COLOR 1 - COLOR OF BLOCK & MORTAR TO MATCH RED OF BLDG. 1-3
- 8x16 CMU STANDARD, COLOR 2 - COLOR OF BLOCK & MORTAR TO MATCH OTHER OF BLDG. 1-3
- WESTERN I-KOTE STUCCO SYSTEM OVER 1/16" OSB SHEATHING OVER 2x6 METAL STUDS - SEE WALL SECTION (07140) - COLOR TO MATCH THAT OF JLTC BLDG. 1-3

- KEY REFERENCE NOTES
- REVISION CLOUD

KEYNOTES

- CONC. FOOTING AND FOUNDATION: SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING. FOOTINGS TO BEAR ON UNDISTURBED SOIL OR ENGINEERED COMPACTED FILL AS PER ENGINEER'S SPECIFICATIONS. BOTTOM OF FOOTINGS SHALL BE PLACED 30" MIN. BELOW FINISH GRADE.
- EXISTING GRADE - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE EXISTING CONDITIONS WITH NEW CONDITIONS SHOWN IN PLANS. REPORT ANY DIFFERENCES TO ARCHITECT.
- FINISH GRADING - REFER TO CIVIL SHEETS ALL GRADING SHALL COMPLY WITH IBC AND SHALL DRAIN AWAY FROM ALL BUILDING SIDES. MINIMUM SLOPE SHALL BE 6" WITHIN FIRST 10'-0".
- CMU - PREFINISHED METAL CAP FLASHING - SEE DETAIL C1/A-504.
- 6" METAL STUD WALL - PREFINISHED METAL CAP FLASHING - SEE DETAIL C1/A-504.
- HEADERS & COLUMNS (ALL EXPOSED TO VIEW SURFACES) ARE HONED CMU AS NOTED ABOVE - SEE STRUCTURAL FOR REINFORCING AND MECHANICAL FOR PIPING.
- PREFINISHED METAL FASCIA/CANOPY - SEE WALL SECTION A1/A-304.
- STOREFRONT WINDOW SYSTEM - SEE SCHEDULE ON SHT. A-602.
- PREFINISHED METAL FASCIA/CANOPY - SEE WALL SECTION A2/A-303.
- IN THE (3) LOCATIONS SHOWN PROVIDE (3) 8" X 8" CERAMIC TILES (UT-6, UT-1) - SEE FINISH SCHEDULE FOR TYPE ON SHT. 1-200.
- PREFINISHED METAL DOWNSPOUT - SEE DET. D5/A-504.
- SIGNAGE: SIZE: (4) BUILDING NUMERALS 12" HIGH FONT: HELVETICA TYPE: PREFINISHED ALUMINUM WITH VINYL APPLIED NUMERALS.
- YARD FLOOD LIGHTING - SEE ELECTRICAL.
- MASONRY CONTROL JOINT FILLED W/ SEALANT, COORDINATE TO MATCH CMU COLOR.
- EXISTING CHAIN LINK FENCE
- RIP RAP WALL - SEE DETAIL 5/5504

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

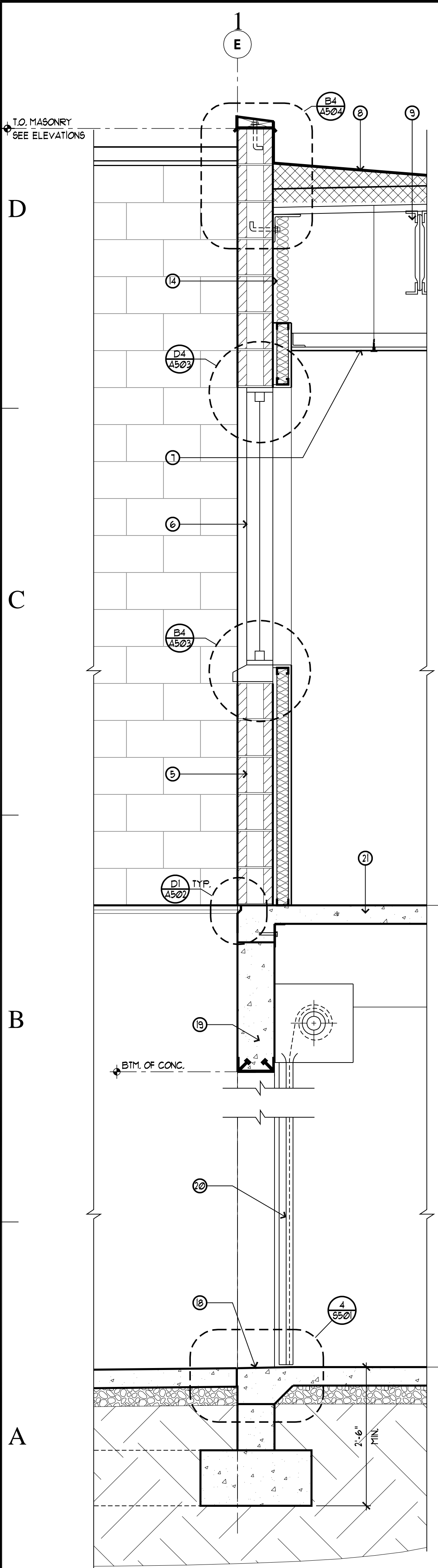
SHEET TITLE

BUILDING
SECTIONS

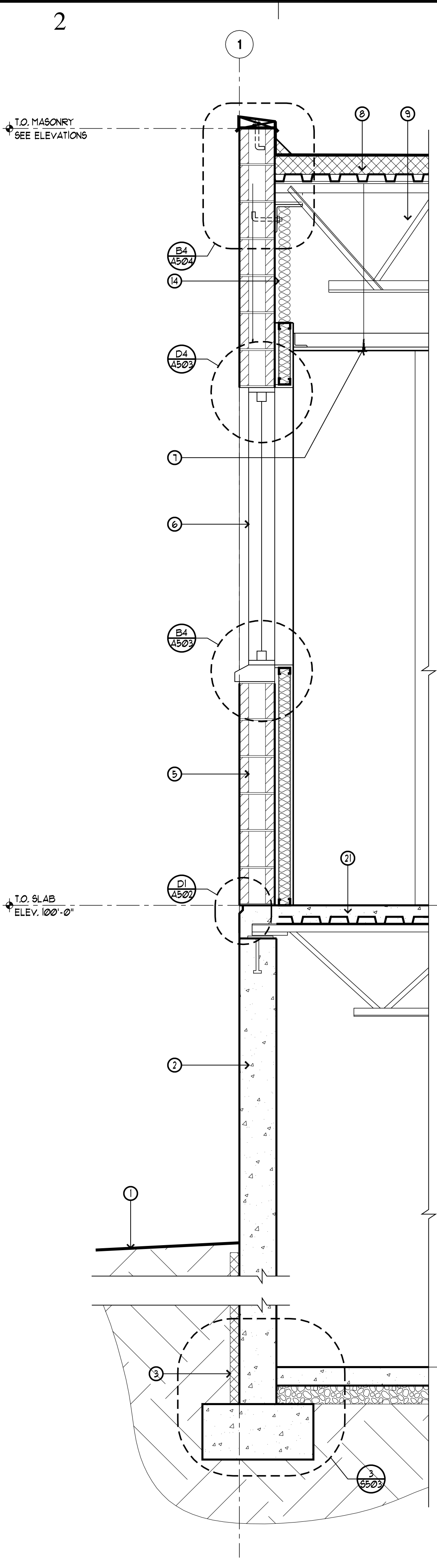
SHEET NUMBER

A-3 01

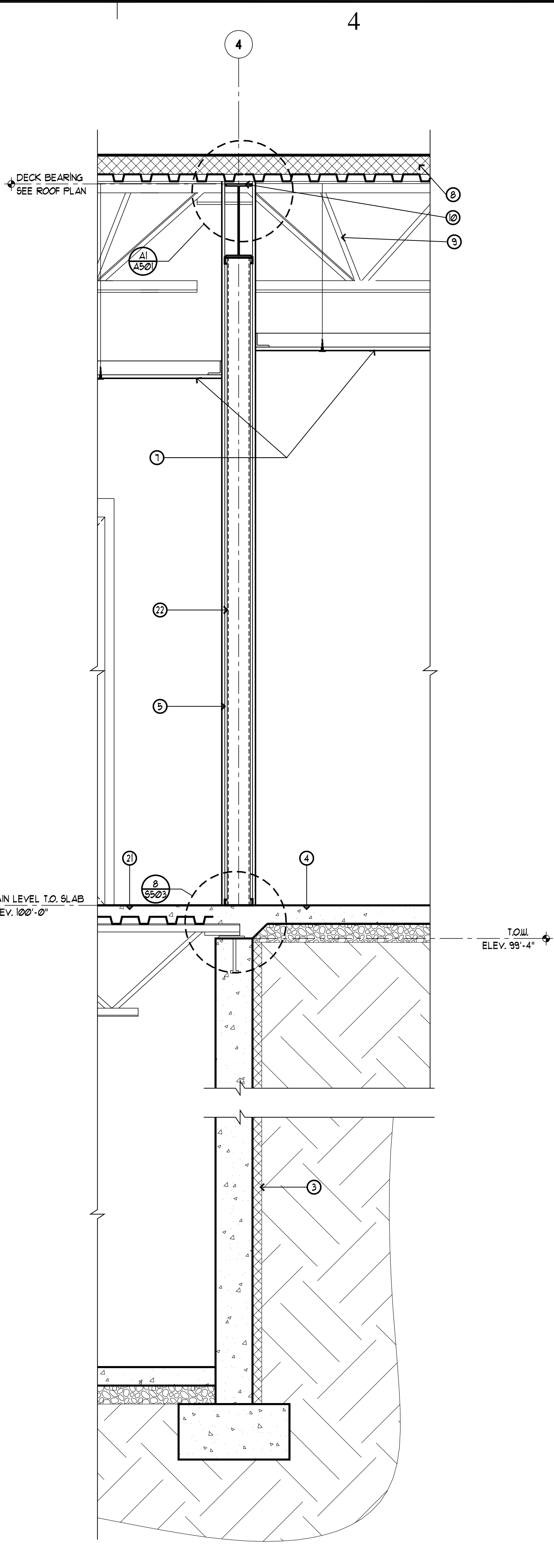
SHEET 021 OF 057



WALL SECTION, TYP. A1 A302 SCALE: 3/4" = 1'-0"



WALL SECTION, TYP. A2 A302 SCALE: 3/4" = 1'-0"



WALL SECTION A3 A302 SCALE: 3/4" = 1'-0"

LEGEND - WALL SECTION ONLY

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

DOOR TAG
-SEE SCHEDULE ON

WINDOW TAG
-SEE SCHEDULE ON

DETAIL TAG

KEY NOTE TAG

REVISION TAG

BUILDING GRID TAG

BUILDING SECTION TAG

WALL SECTION TAG

KEY NOTES

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

FINISH GRADE - SEE SITE GRADING PLAN IN BID SET 1 - SHT C-101 IS FOR REFERENCE ONLY

FOOTING & FOUNDATION SYSTEM - SEE STRUCTURAL FOR SIZE AND REINFORCING

2" RIGID PERIMETER INSULATION (R-10) OVER DAMP PROOFING

4" THICK CONCRETE SLAB OVER 4" OF GRANULAR FILL - SEE STRUCTURAL FOR REINFORCING

FOR WALL TYPE - SEE A-101 FOR WALL TAGS AND A-501 FOR DESCRIPTION OF WALL TYPES

STOREFRONT WINDOW SYSTEM - SEE A-602 FOR WINDOW SCHEDULE

CEILING SYSTEM - SEE SHT. A-103 FOR CEILING TYPE AND HEIGHT ABOVE FINISH FLOOR

SINGLE-PLY ROOFING MEMBRANE SYSTEM OVER 4" OF RIGID INSULATION W/ TAPERED INSULATION TO ROOF DRAIN - SEE SHT. A-104 FOR ROOF PLAN

METAL DECKING OVER STEEL JOISTS - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102

STEEL BEAM - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102 FOR SIZE AND CONNECTIONS

STUCCO FINISH OVER 1/2" PLYWOOD OVER METAL STUD PARAPET WALL, BEYOND

4" CONCRETE ENTRY SLAB - SEE FLOOR PLAN SHEET A-101 FOR DIMENSIONS

R-24 BATT INSULATION

2" RIGID INSULATION BOARD ADHERED TO WALL ABOVE THE CEILING

STUCCO SOFFIT SYSTEM OVER 1/2" GYPSUM SHEATHING OVER METAL STUD FRAMING - SEE STRUCTURAL FOR STUD SIZE AND SPACING

HOLLOW METAL DOOR & FRAME - SEE DOOR SCHEDULE ON SHT. A-601

MASONRY HEADER - SEE STRUCTURAL FOR REINFORCING - PROVIDE PROCKET THROUGH CMU FOR JOIST TAILS WHERE NEEDED

SLOPE EDGE OF CONC. DOWN BY 3/8" FROM INSIDE FACE OF WALL

CONCRETE BEAM - SEE 3/5504

OVERHEAD COILING DOOR TRACK - SEE DET.

1 HR. FLOOR/CEILING ASSEMBLY OF METAL DECKING OVER STEEL FLOOR JOISTS & BEAMS - SEE DET. A4/A502

STEEL COLUMN INSIDE WALL FRAMING - SEE DET. A4/A502

STEEL COLUMN PART OF 1 HR. ASSEMBLY - SEE DET. A5/A501

GENERAL NOTES

1

2

3

4

5

THE SPRAY-APPLIED FIRE PROTECTION NOTED IN KEY NOTES 11 & 13 ABOVE ARE BY DESIGN/BUILD. ACTUAL SYSTEM AND INSTALL SHOULD PROVIDE SUBMITTAL (SEE SPEC.) FOR APPROVAL PRIOR TO INSTALLATION.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

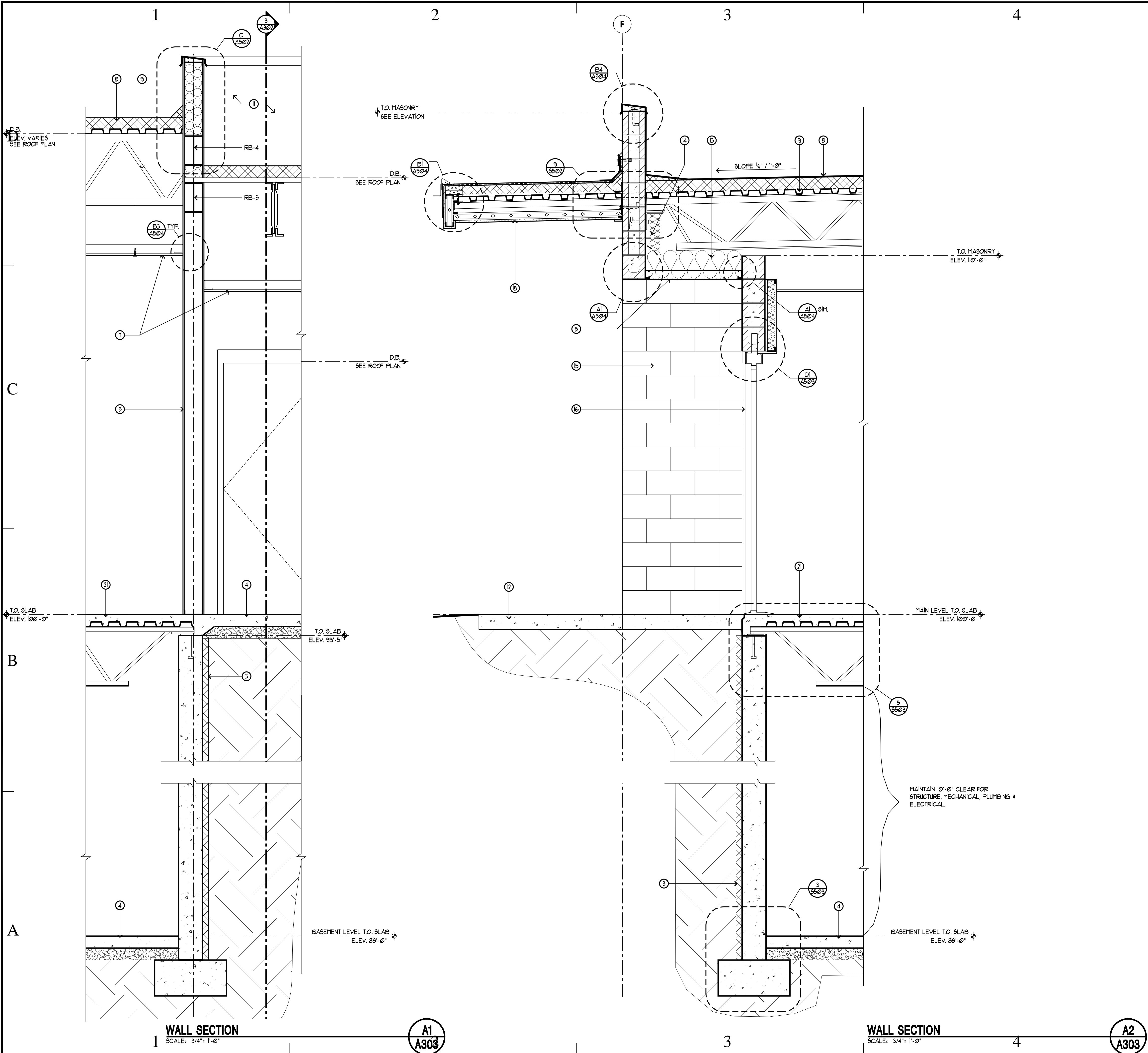
SHEET TITLE

WALL
SECTIONS

SHEET NUMBER

A-3 02

SHEET 022 OF 057



| LEGEND - WALL SECTION ONLY | |
|----------------------------|--------------------------------|
| | DOOR TAG -SEE SCHEDULE ON |
| | WINDOW TAG -SEE SCHEDULE ON |
| | DETAIL TAG |
| | KEY NOTE TAG |
| | REVISION TAG |
| | BUILDING GRID TAG |
| | BUILDING SECTION TAG |
| | WALL SECTION TAG |

| KEY NOTES | |
|-----------|---|
| 1 | FINISH GRADE - SEE SITE GRADING PLAN IN BID SET 1 - SHT C-101 IS FOR REFERENCE ONLY |
| 2 | FOOTING & FOUNDATION SYSTEM - SEE STRUCTURAL FOR SIZE AND REINFORCING |
| 3 | 2" RIGID PERIMETER INSULATION (R-10) OVER DAMP PROOFING |
| 4 | 4" THICK CONCRETE SLAB OVER 4" OF GRANULAR FILL - SEE STRUCTURAL FOR REINFORCING |
| 5 | FOR WALL TYPE - SEE A-101 FOR WALL TAGS AND A-501 FOR DESCRIPTION OF WALL TYPES |
| 6 | STOREFRONT WINDOW SYSTEM - SEE A-602 FOR WINDOW SCHEDULE |
| 7 | CEILING SYSTEM - SEE SHT. A-103 FOR CEILING TYPE AND HEIGHT ABOVE FINISH FLOOR |
| 8 | SINGLE-PLY ROOFING MEMBRANE SYSTEM OVER 4" OF RIGID INSULATION W/ TAPERED INSULATION TO ROOF DRAIN - SEE SHT. A-104 FOR ROOF PLAN |
| 9 | METAL DECKING OVER STEEL JOISTS - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102 |
| 10 | STEEL BEAM - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102 FOR SIZE AND CONNECTIONS |
| 11 | STUCCO FINISH OVER 1/2" PLYWOOD OVER METAL STUD PARAPET WALL, BEYOND |
| 12 | 4" CONCRETE ENTRY SLAB - SEE FLOOR PLAN SHEET A-101 FOR DIMENSIONS |
| 13 | R-24 BATT INSULATION |
| 14 | 2" RIGID INSULATION BOARD ADHERED TO WALL ABOVE THE CEILING |
| 15 | STUCCO SOFFIT SYSTEM OVER 1/2" GYPSUM SHEATHING OVER METAL STUD FRAMING - SEE STRUCTURAL FOR STUD SIZE AND SPACING |
| 16 | HOLLOW METAL DOOR & FRAME - SEE DOOR SCHEDULE ON SHT. A-601 |
| 17 | MASONRY HEADER - SEE STRUCTURAL FOR REINFORCING - PROVIDE PROCKET THROUGH CMU FOR JOIST TAILS WHERE NEEDED |
| 18 | SLOPE EDGE OF CONC. DOWN BY 3/8" FROM INSIDE FACE OF WALL |
| 19 | CONCRETE BEAM - SEE 3/5504 |
| 20 | OVERHEAD COILING DOOR TRACK - SEE DET. |
| 21 | 1 HR. FLOOR/CEILING ASSEMBLY OF METAL DECKING OVER STEEL FLOOR JOISTS & BEAMS - SEE DET. A4/A502 |
| 22 | STEEL COLUMN INSIDE WALL FRAMING - SEE DET. A4/A502 |
| 23 | STEEL COLUMN PART OF 1 HR. ASSEMBLY - SEE DET. A5/A501 |

| GENERAL NOTES | |
|--|--|
| 1. THE SPRAY-APPLIED FIRE PROTECTION NOTED IN KEY NOTES 17 & 23 ABOVE ARE BY DESIGN/BUILD. ACTUAL SYSTEM AND INSTALL SHOULD PROVIDE SUBMITTAL (SEE SPEC) FOR APPROVAL PRIOR TO INSTALLATION. | |

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

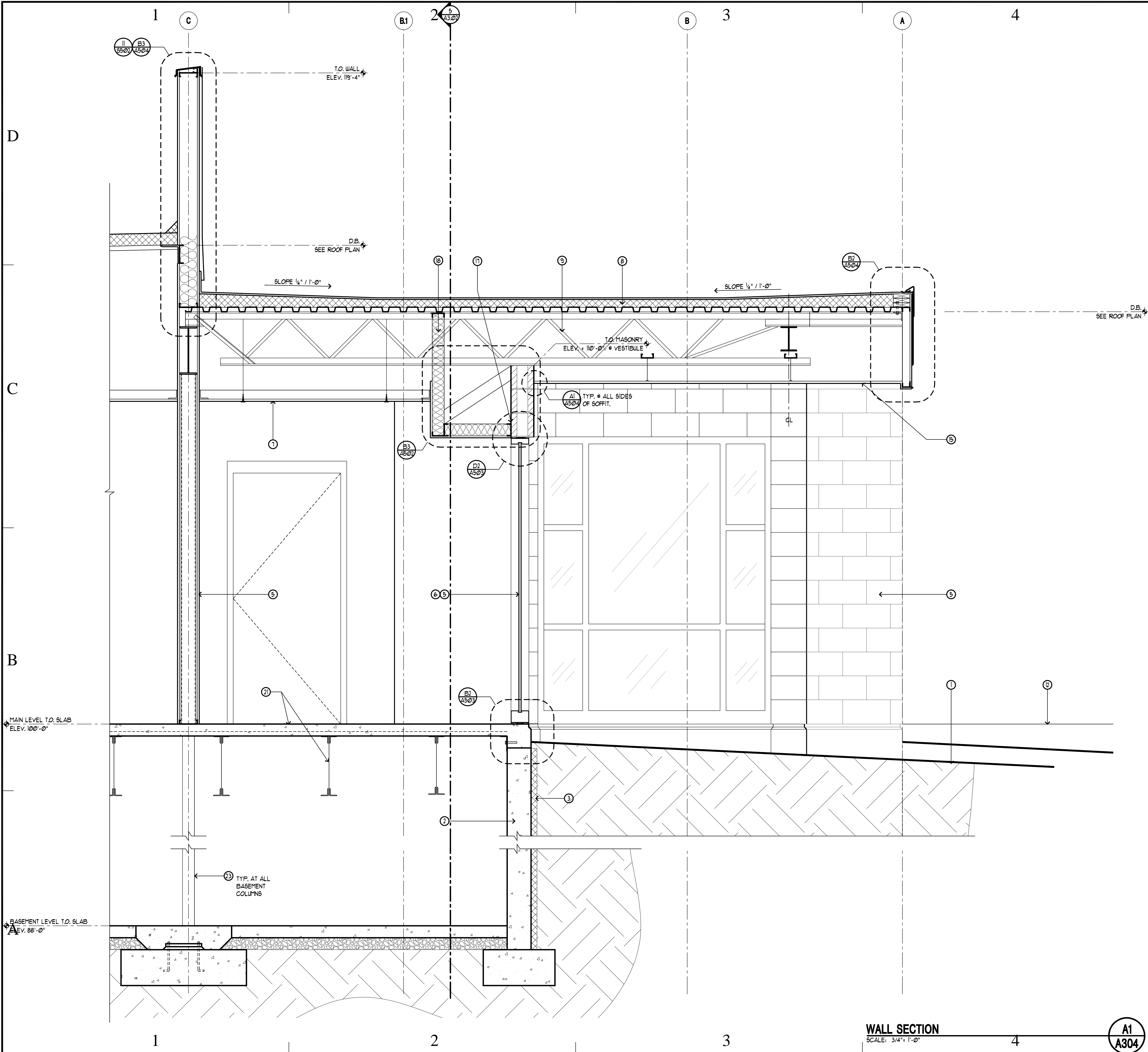
WALL
SECTIONS

SHEET NUMBER

A-3 03

SHEET 023 OF 057

5/15/2006 10:14:19 AM



LEGEND - WALL SECTION ONLY

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

DOOR TAG
-SEE SCHEDULE ON

WINDOW TAG
-SEE SCHEDULE ON

DETAIL TAG

KEY NOTE TAG

REVISION TAG

BUILDING GRID TAG

BUILDING SECTION TAG

WALL SECTION TAG

KEY NOTES

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

FINISH GRADE - SEE SITE GRADING PLAN IN BID SET #1 - SHT C-101 IS FOR REFERENCE ONLY

FOOTING & FOUNDATION SYSTEM - SEE STRUCTURAL FOR SIZE AND REINFORCING

2" RIGID PERIMETER INSULATION (R-10) OVER DAMP PROOFING

4" THICK CONCRETE SLAB OVER 4" OF GRANULAR FILL - SEE STRUCTURAL FOR REINFORCING

FOR WALL TYPE - SEE A-101 FOR WALL TAGS AND A-501 FOR DESCRIPTION OF WALL TYPES

STOREFRONT WINDOW SYSTEM - SEE A-602 FOR WINDOW SCHEDULE

CEILING SYSTEM - SEE SHT. A-103 FOR CEILING TYPE AND HEIGHT ABOVE FINISH FLOOR

SINGLE-PLY ROOFING MEMBRANE SYSTEM OVER 4" OF RIGID INSULATION W/ TAPERED INSULATION TO ROOF DRAIN - SEE SHT. A-104 FOR ROOF PLAN

METAL DECKING OVER STEEL JOISTS - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102

STEEL BEAM - SEE STRUCTURAL ROOF FRAMING PLAN ON SHT. S-102 FOR SIZE AND CONNECTIONS

STUCCO FINISH OVER 1/2" PLYWOOD OVER METAL STUD PARAPET WALL, BEYOND

4" CONCRETE ENTRY SLAB - SEE FLOOR PLAN SHEET A-101 FOR DIMENSIONS

R-24 BATT INSULATION

2" RIGID INSULATION BOARD ADHERED TO WALL ABOVE THE CEILING

STUCCO SOFFIT SYSTEM OVER 1/2" GYPSUM SHEATHING OVER METAL STUD FRAMING - SEE STRUCTURAL FOR STUD SIZE AND SPACING

HOLLOW METAL DOOR & FRAME - SEE DOOR SCHEDULE ON SHT. A-601

MASONRY HEADER - SEE STRUCTURAL FOR REINFORCING - PROVIDE PROCKET THROUGH CMU FOR JOIST TAILS WHERE NEEDED

SLOPE EDGE OF CONC. DOWN BY 3/8" FROM INSIDE FACE OF WALL

CONCRETE BEAM - SEE 3/5504

OVERHEAD COILING DOOR TRACK - SEE DET.

1 HR. FLOOR/CEILING ASSEMBLY OF METAL DECKING OVER STEEL FLOOR JOISTS & BEAMS - SEE DET. A4/A502

STEEL COLUMN INSIDE WALL FRAMING - SEE DET. A4/A502

STEEL COLUMN PART OF 1 HR. ASSEMBLY - SEE DET. A5/A501

GENERAL NOTES

1

2

3

4

5

THE SPRAY-APPLIED FIRE PROTECTION NOTED IN KEY NOTES #1 & #3 ABOVE ARE BY DESIGN/BUILD. ACTUAL SYSTEM AND INSTALL SHOULD PROVIDE SUBMITTAL (SEE SPEC.) FOR APPROVAL PRIOR TO INSTALLATION.

j**sa**

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

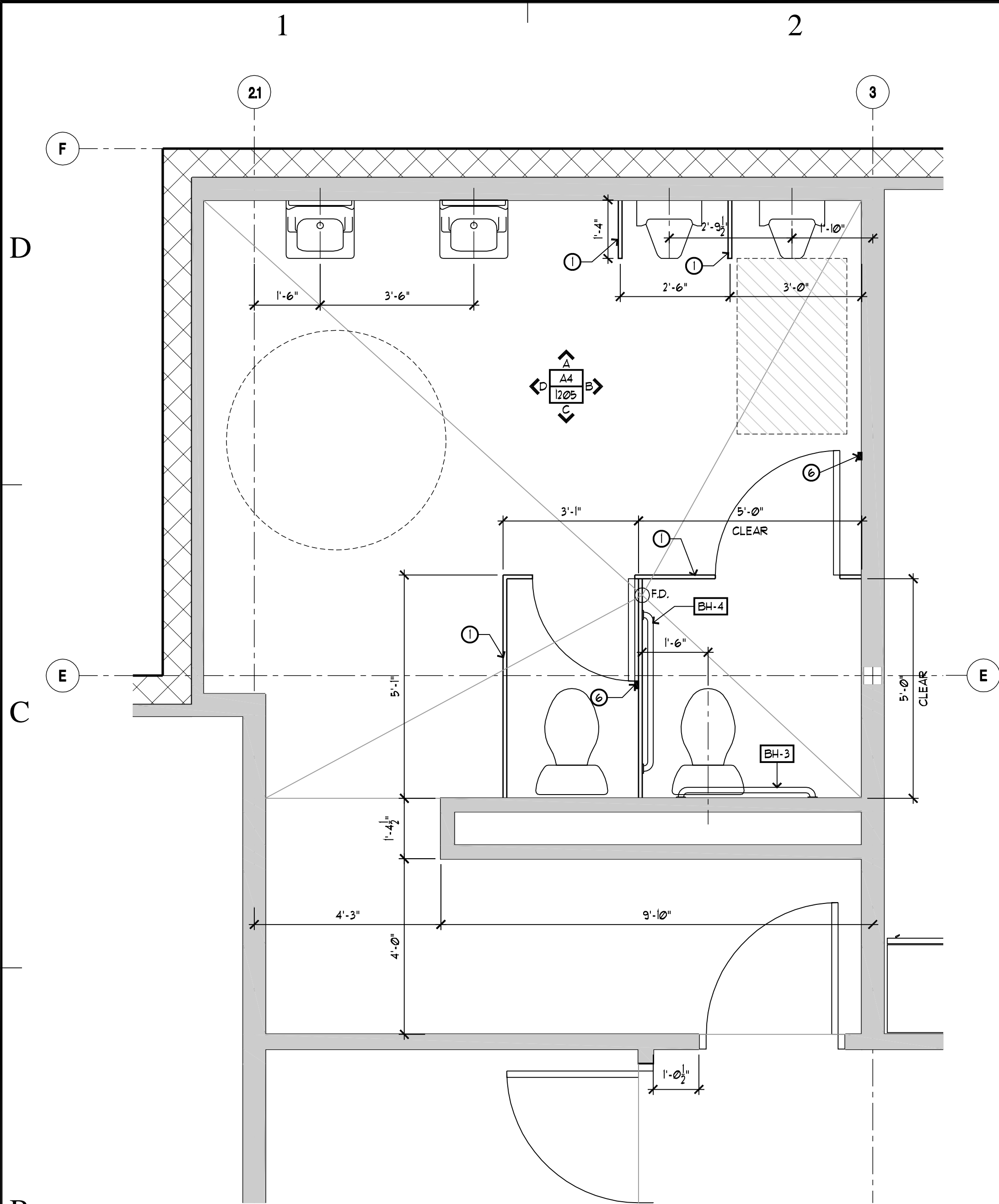
WALL
SECTIONS

SHEET NUMBER

A-3 04

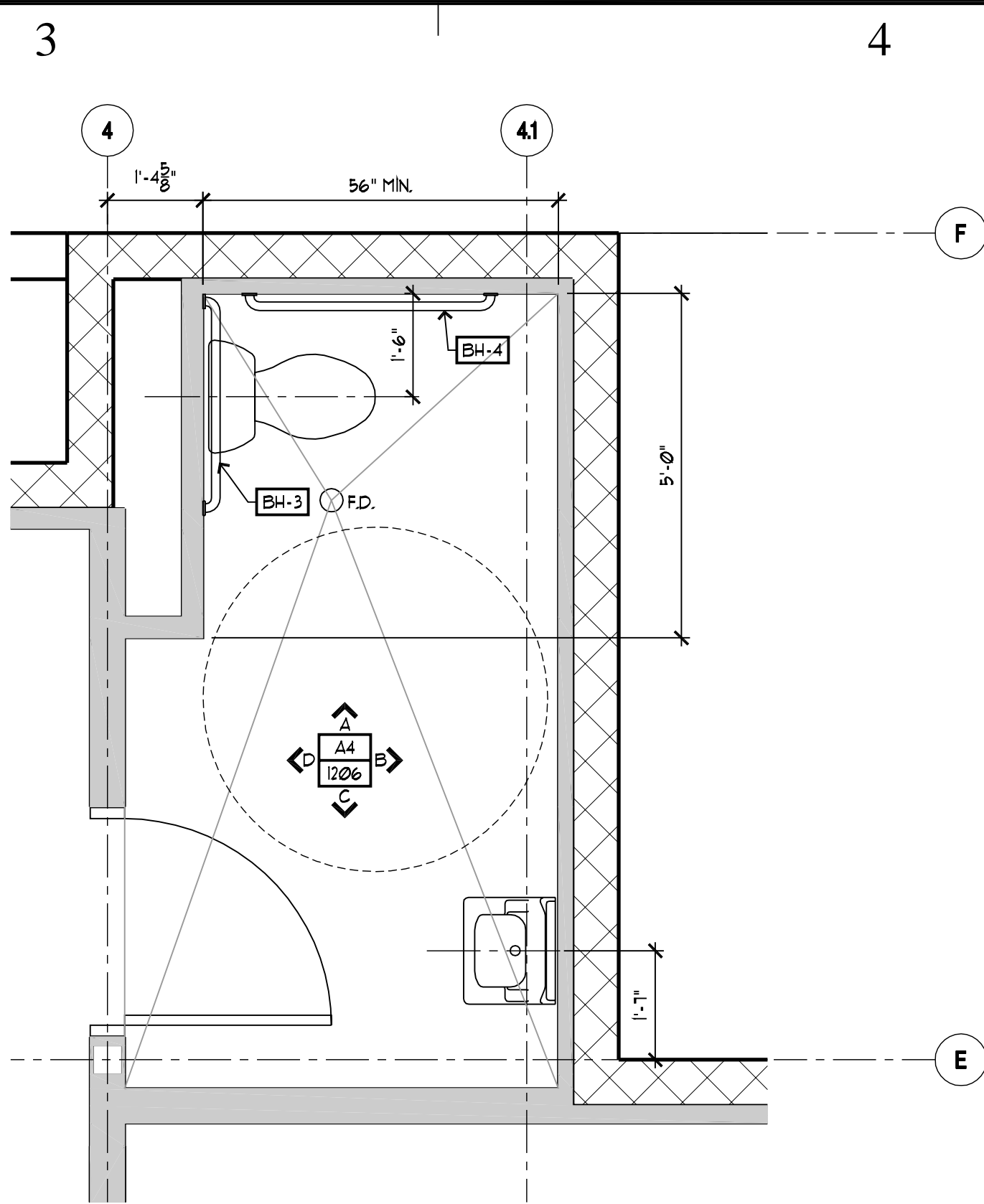
SHEET 024 OF 057

5/15/2006 10:14:27 AM



MEN'S RESTROOM ENLARGED PLAN

B2
A-401



WOMEN'S RESTROOM ENLARGED PLAN

B4
A401

5

LEGEND - ENLARGED FLOOR PLANS ONLY

CONCRETE MASONRY WALL

METAL STUD WALL

DOOR TAG

WINDOW TAG

DETAIL TAG

KEY NOTE TAG

REVISION TAG

BUILDING GRID TAG

BUILDING SECTION TAG

WALL SECTION TAG

INTERIOR ELEVATION TAG

KEY NOTES

TOILET STALL PARTITION, SEE SPEC. 10155

LOCKERS INDICATED HERE ARE OWNER PROVIDED OWNER INSTALLED.

BENCH, NOT IN CONTRACT. OWNER PROVIDED, OWNER INSTALLED

NOT USED.

FLOOR DRAIN - SEE PLUMBING FOR DRAIN TYPE - SLOPE CONCRETE WHERE TOP OF TILE IS 1" DOWN FROM MAIN FLOOR AND THEN SLOPES AT 1/4" FT TO FLOOR DRAIN, SEE DETAIL D2/A-502

DOOR BUMPER GUARDS

GENERAL NOTES

FOR RESTROOM ACCESSIBLE STANDARDS SEE SHEET A505.

SEE FINISH FLOOR PLAN SHEET A-102 FOR FLOOR FINISHES AND ALSO FOR FINISH SCHEDULE ON SHEET 1-200.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205

salt lake city utah 84121

801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL GUARD JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS DRAPER, UT

MARK

DATE

DESCRIPTION

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: MLJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

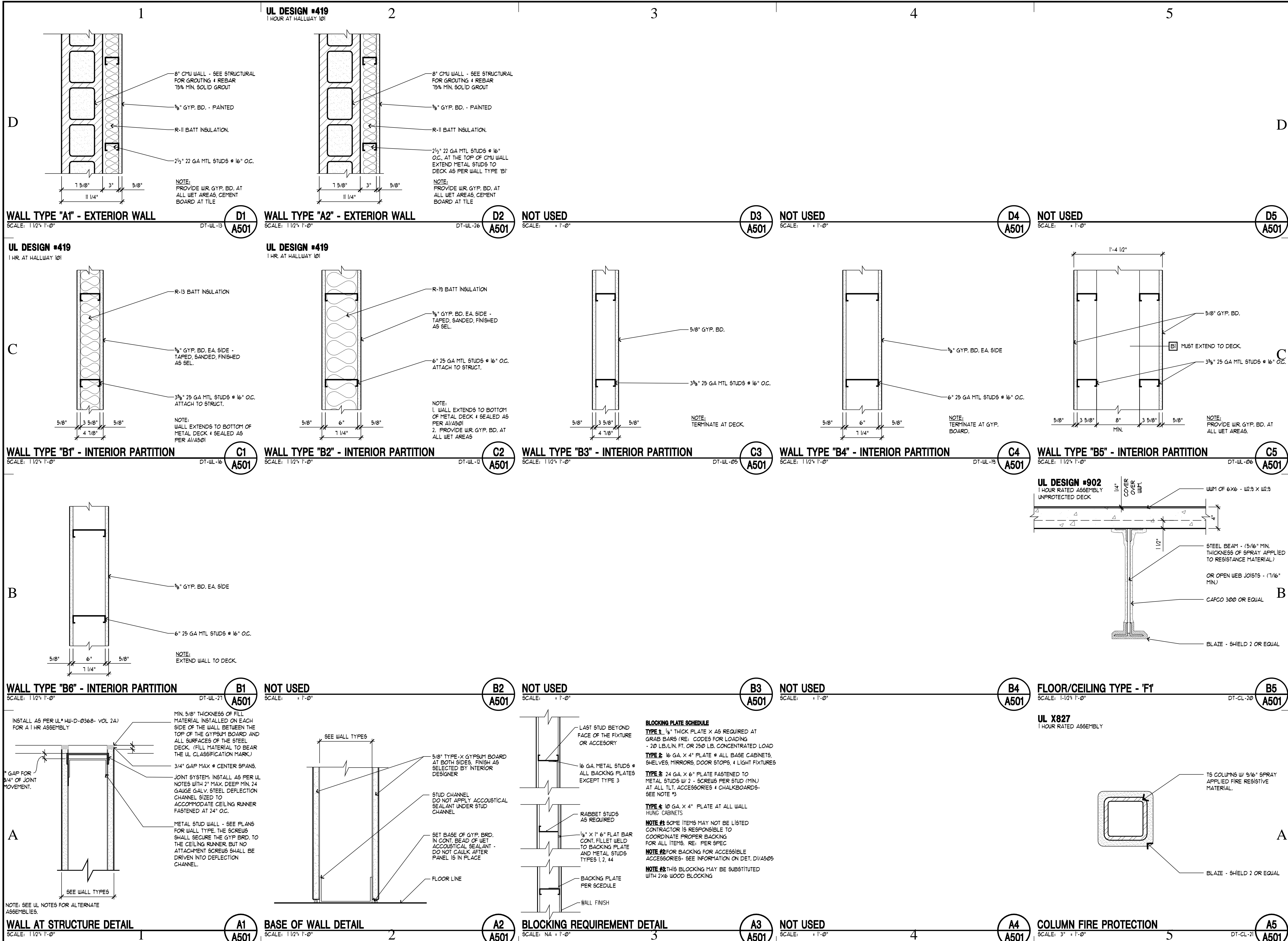
ENLARGED PLAN

SHEET NUMBER

A-4 01

SHEET 025 OF 057

5/12/2006 4:14:46 PM

[illegible]

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

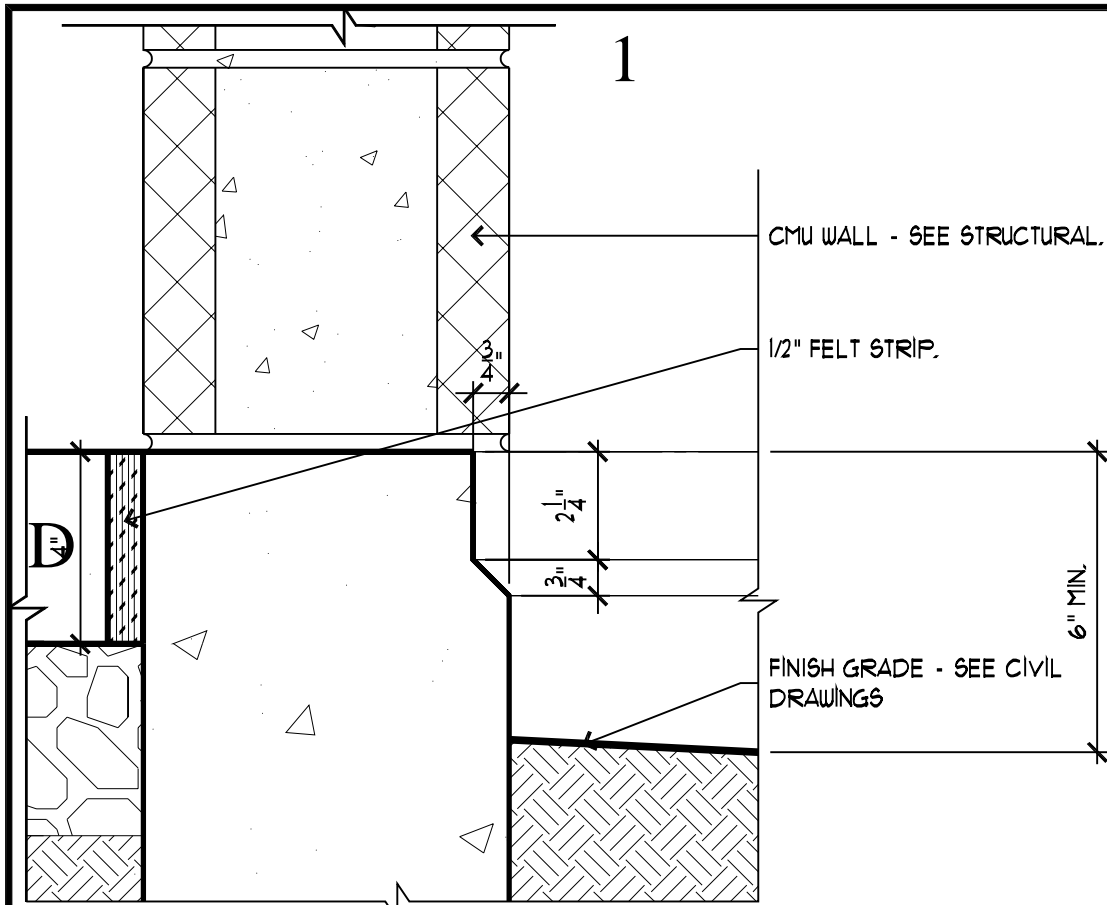
SHEET TITLE

ARCHITECTURAL
DETAILS

SHEET NUMBER

A-5 02

SHEET 027 OF 057



TOP OF FOUNDATION DETAIL, TYP.

SCALE: 3" = 1'-0"

D1
A502

NOT USED

SCALE: 1" = 1'-0"

D2
A502

NOT USED

SCALE: 1" = 1'-0"

D3
A502

NOT USED

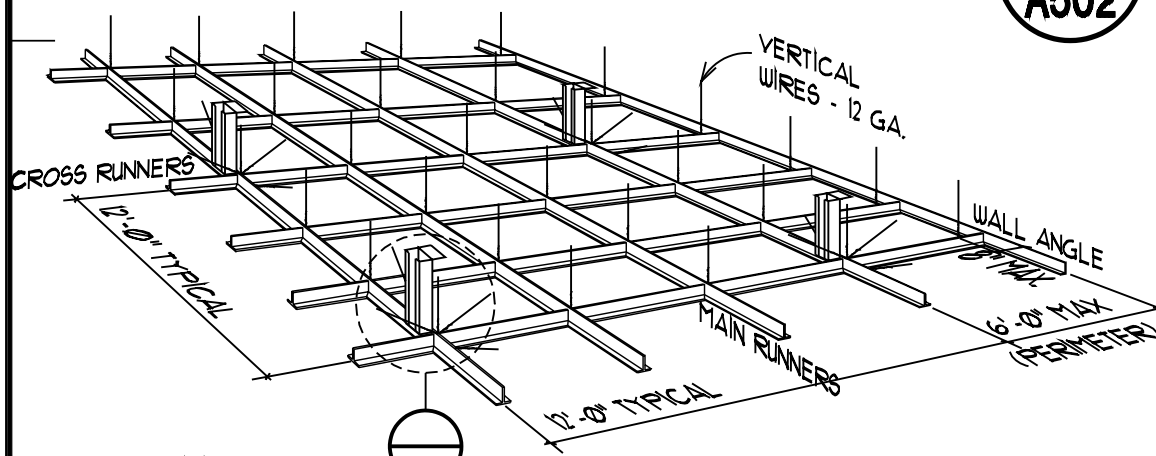
SCALE: 1" = 1'-0"

D4
A502

NOT USED

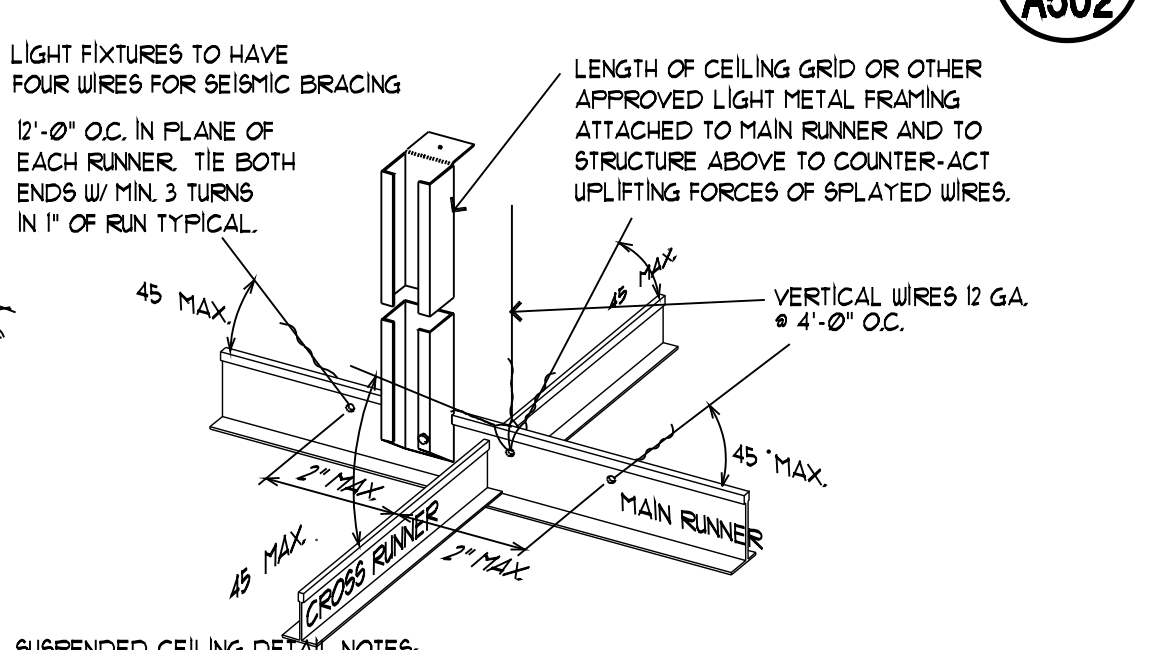
SCALE: 1" = 1'-0"

D5
A502



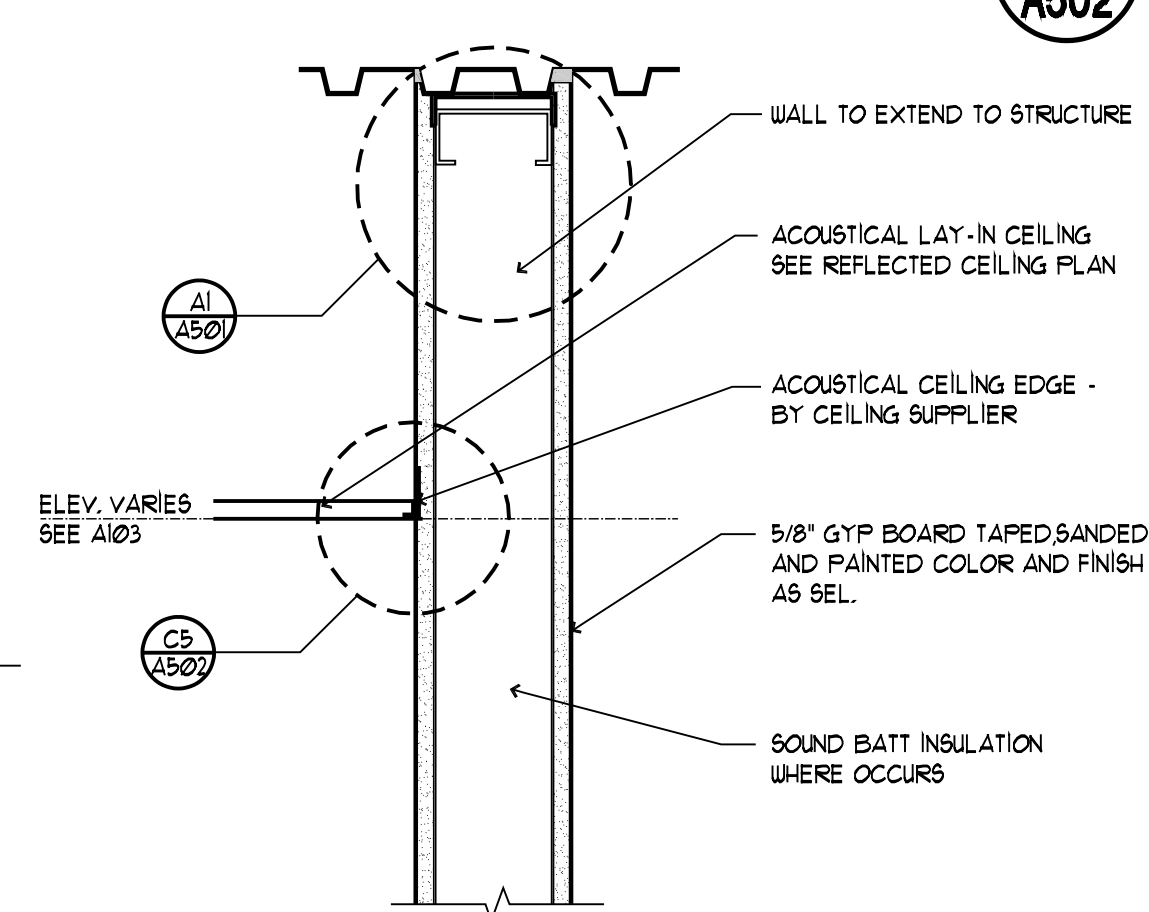
SUSPENDED CEILING NOTES:

- CEILING AREAS OF 144 SQ. FT. OR LESS SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE SHALL NOT REQUIRE THE DIAGONAL BRACING WIRES.
- EACH VERTICAL WIRE SHALL BE ATTACHED EACH END WITH MIN. 5 TURNS.
- CEILING GRID SHALL BE INSTALLED LEVEL TO WITHIN 1/8" IN 12 FEET.
- LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS.
- ALL WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT.
- PROVIDE 4 WIRES (1 EA. CORNER) FOR SUSPENDED LIGHT FIXTURES.



SUSPENDED CEILING DETAIL NOTES:

- ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO SUSPENDED CEILING GRID. IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE FIXTURE. TWO ADDITIONAL WIRES SHALL BE CONNECTED TO THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE.
- WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZOID OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.



CEILING DETAIL

SCALE: 1" = 1'-0"

C3
A502

CEILING DETAIL AT WALL TO CEILING GRID

SCALE: 1" = 1'-0"

C4
A502

CEILING DETAIL AT CMU WALL

SCALE: 3" = 1'-0"

C5
A502

SUSPENDED CEILING DETAIL

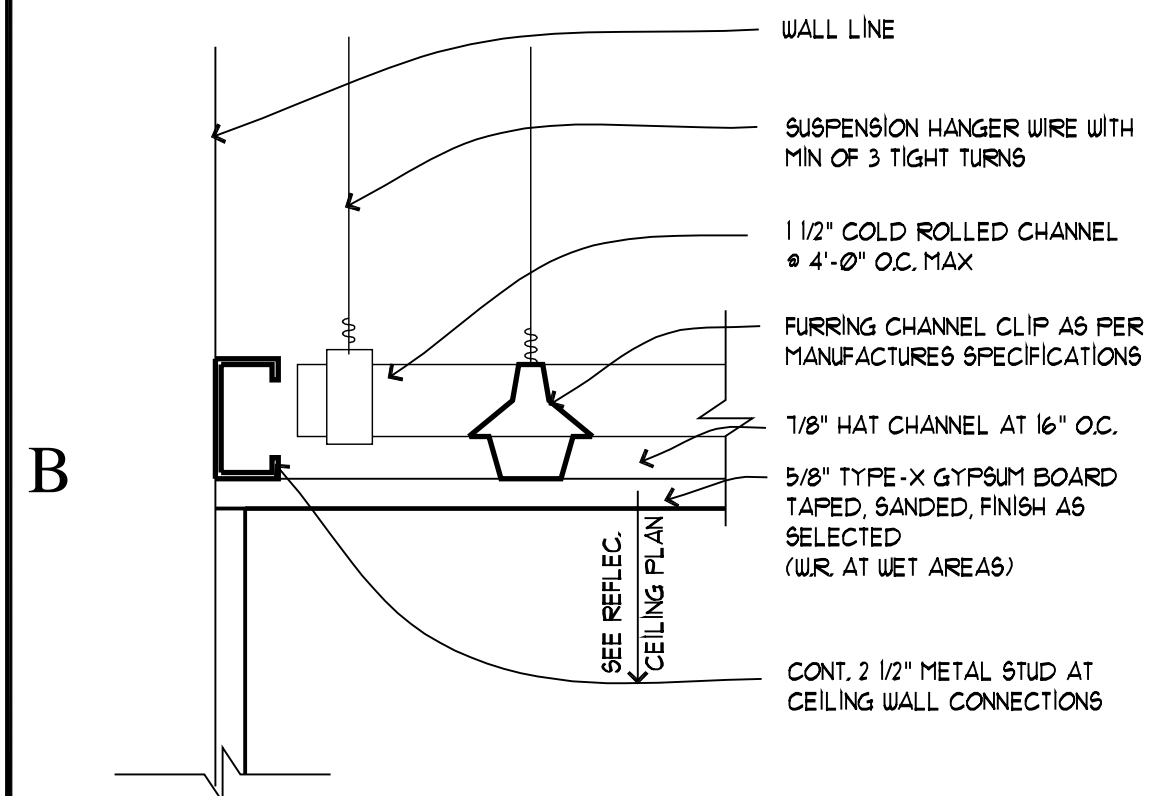
SCALE: NT5 = 1'-0"

C1
A502

SUSPENDED CEILING DETAIL

SCALE: NT5 = 1'-0"

C2
A502



CEILING DETAIL

SCALE: 3" = 1'-0"

B1
A502

WALL DETAIL AT CEILING

SCALE: 1 1/2" = 1'-0"

B2
A502

SOFFIT DETAIL @ CEILING

SCALE: 3/4" = 1'-0"

B3
A502

NOT USED

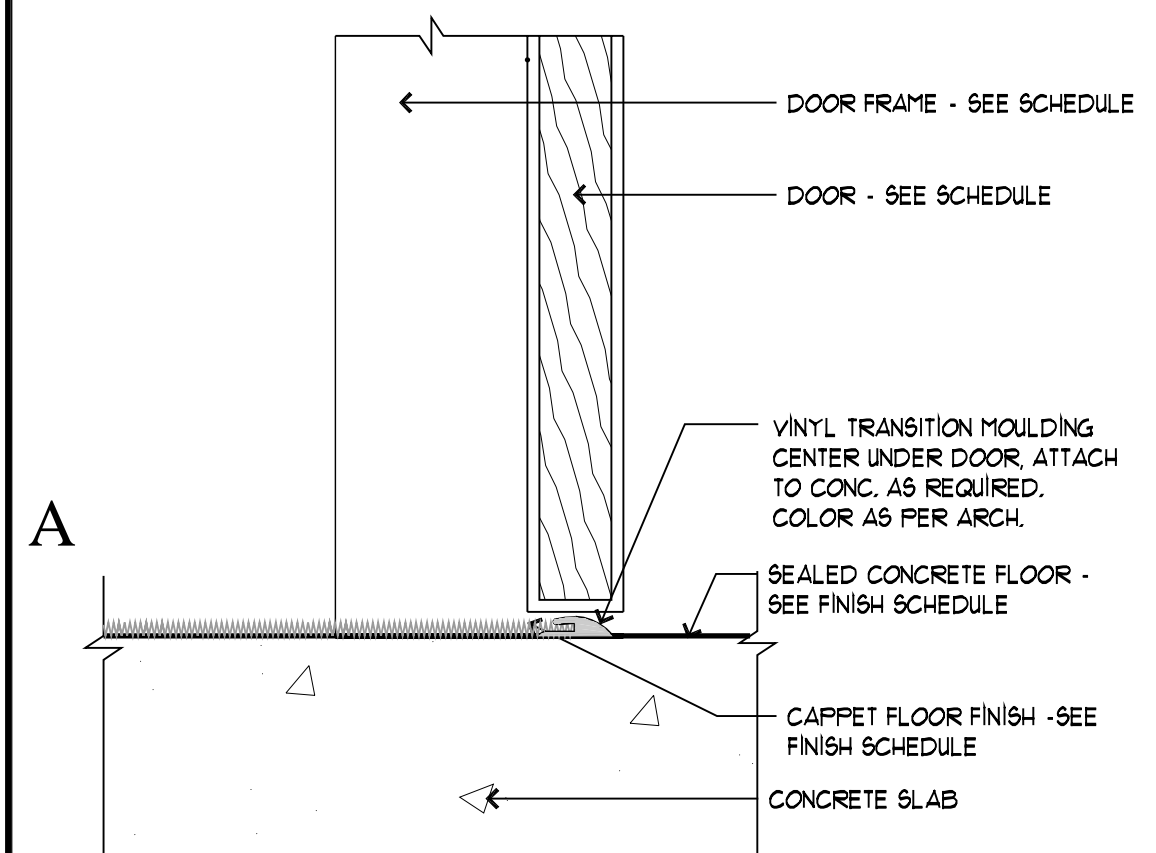
SCALE: 1" = 1'-0"

B4
A502

FLOOR TRANSITION - VCT/CARPET

SCALE: 3" = 1'-0"

B5
A502



FLOOR TRANSITION - CARPET/CONCRETE

SCALE: 3" = 1'-0"

A1
A502

NOT USED

SCALE: 1" = 1'-0"

A2
A502

FRAMING DETAIL

SCALE: 1" = 1'-0"

A3
A502

COLUMN DETAIL

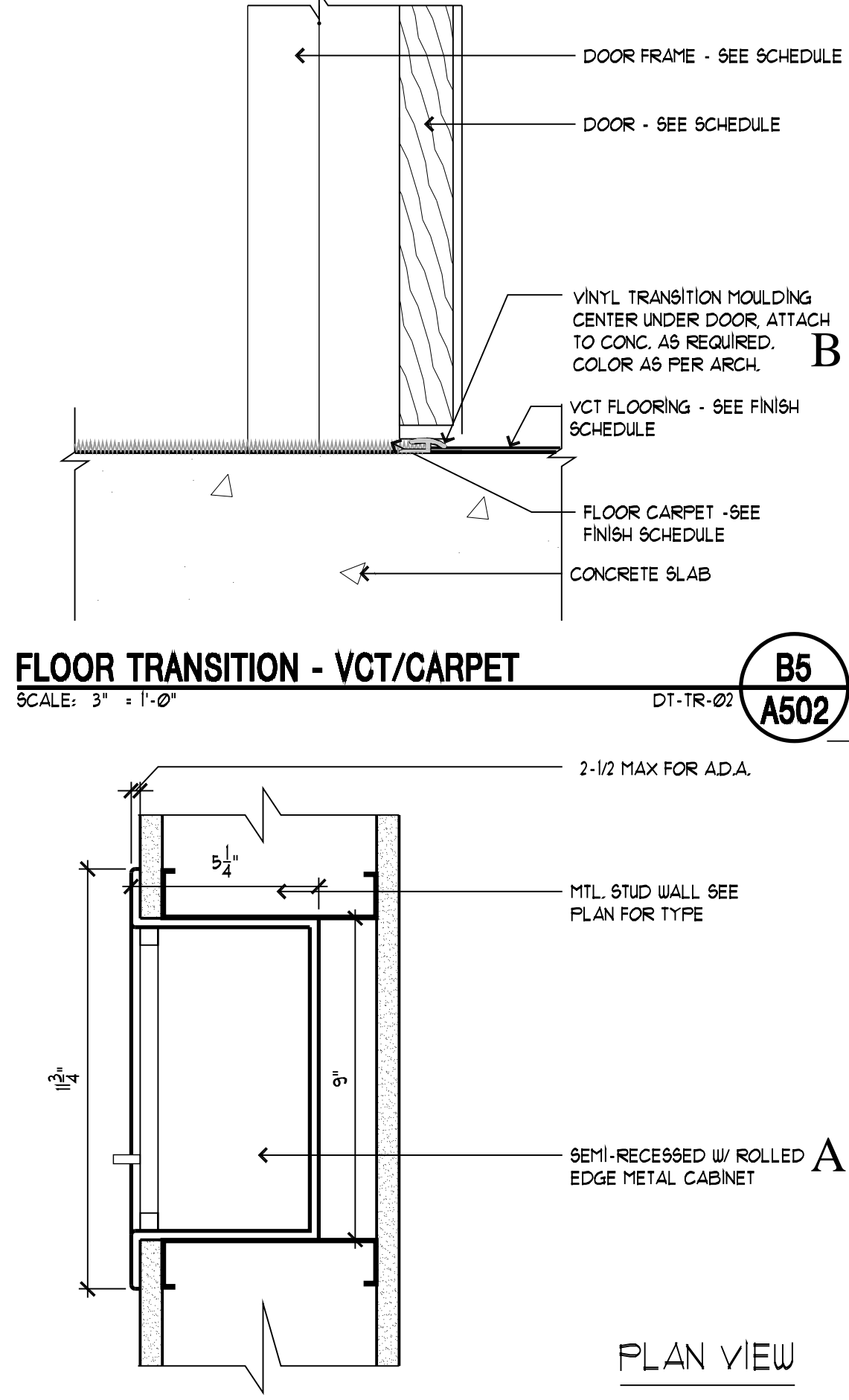
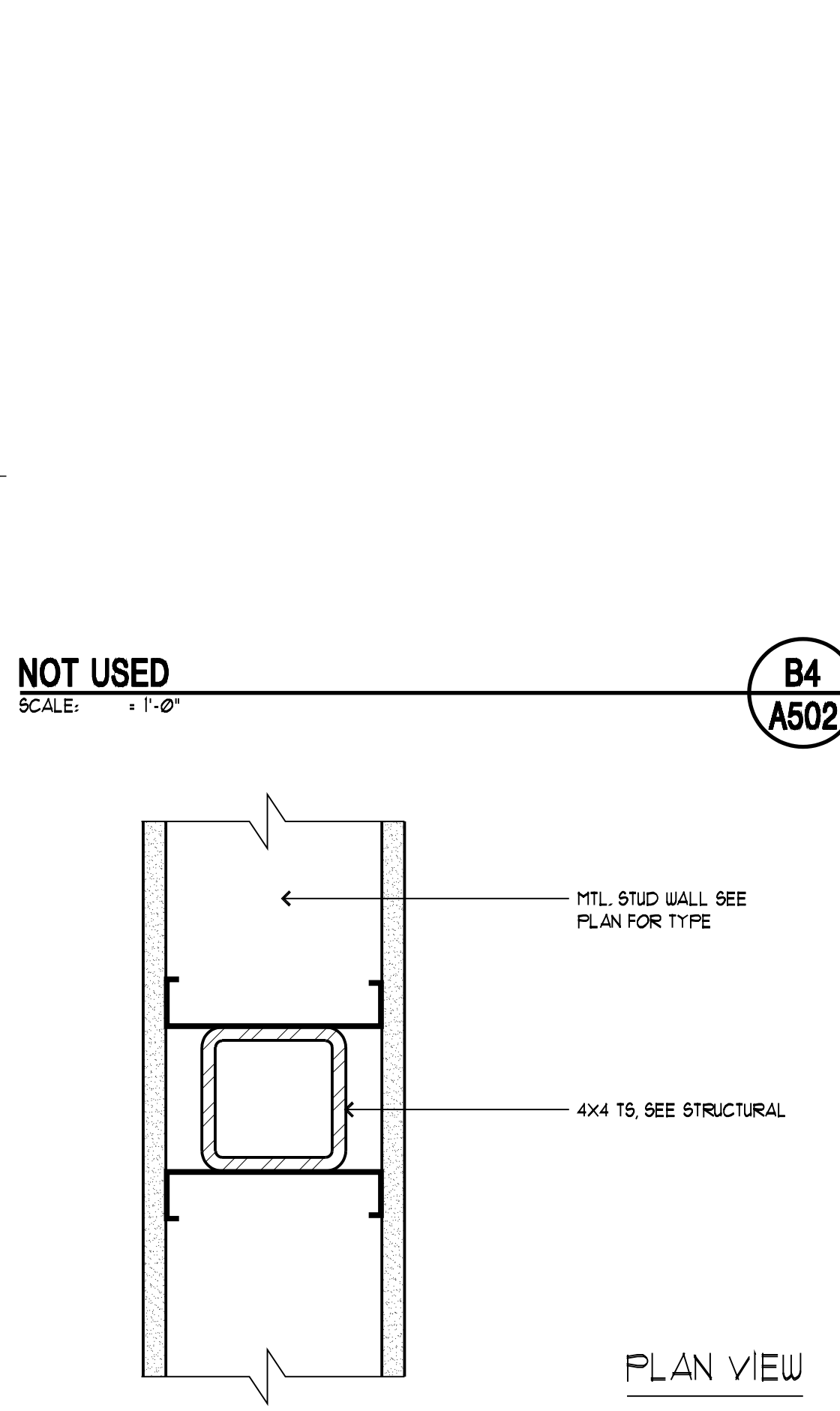
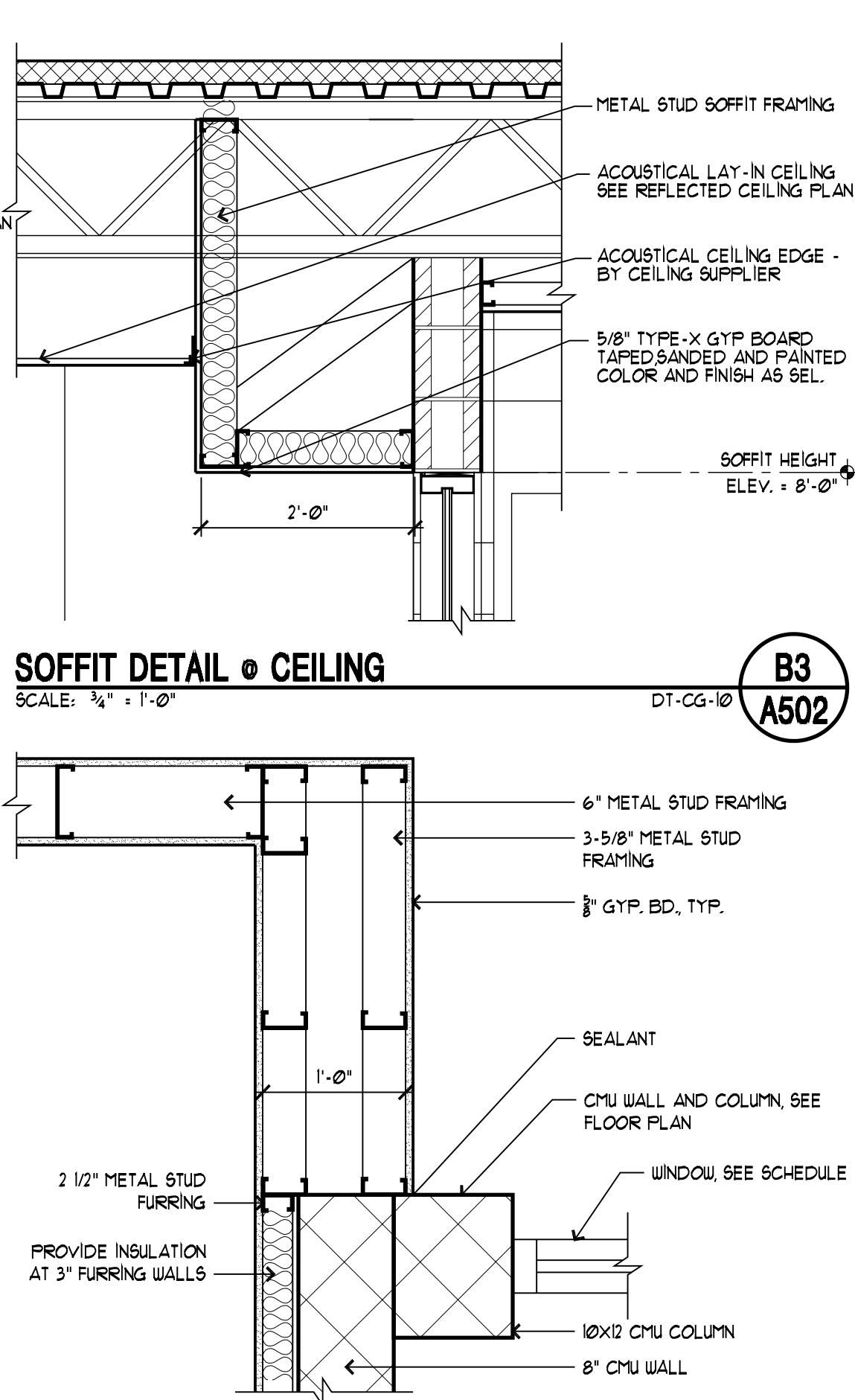
SCALE: 3" = 1'-0"

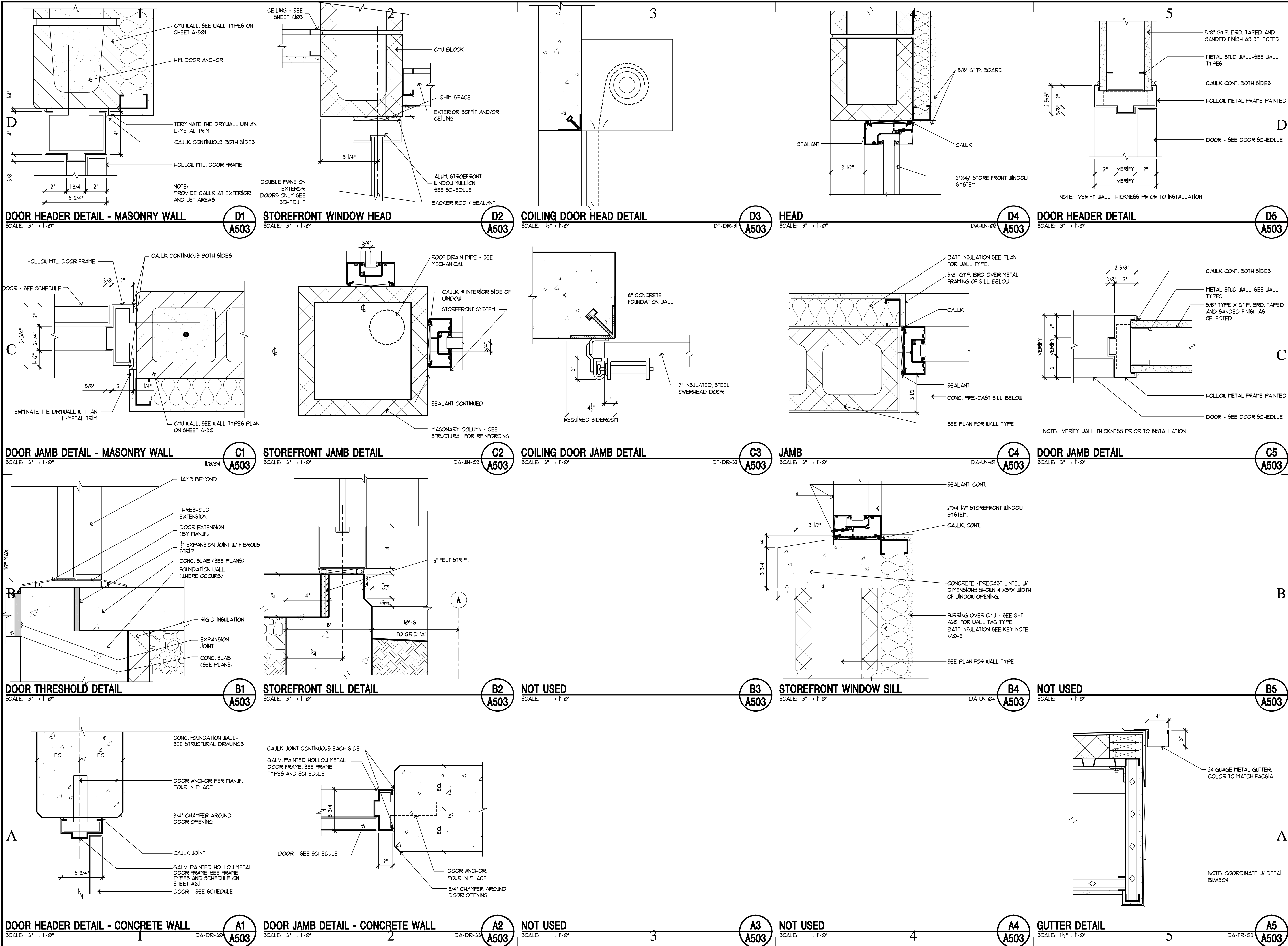
A4
A502

FIRE EXTINGUISHER CAB. DET.

SCALE: 3" = 1'-0"

A5
A502





jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205

salt lake city utah 84121

801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL GUARD JLTG

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

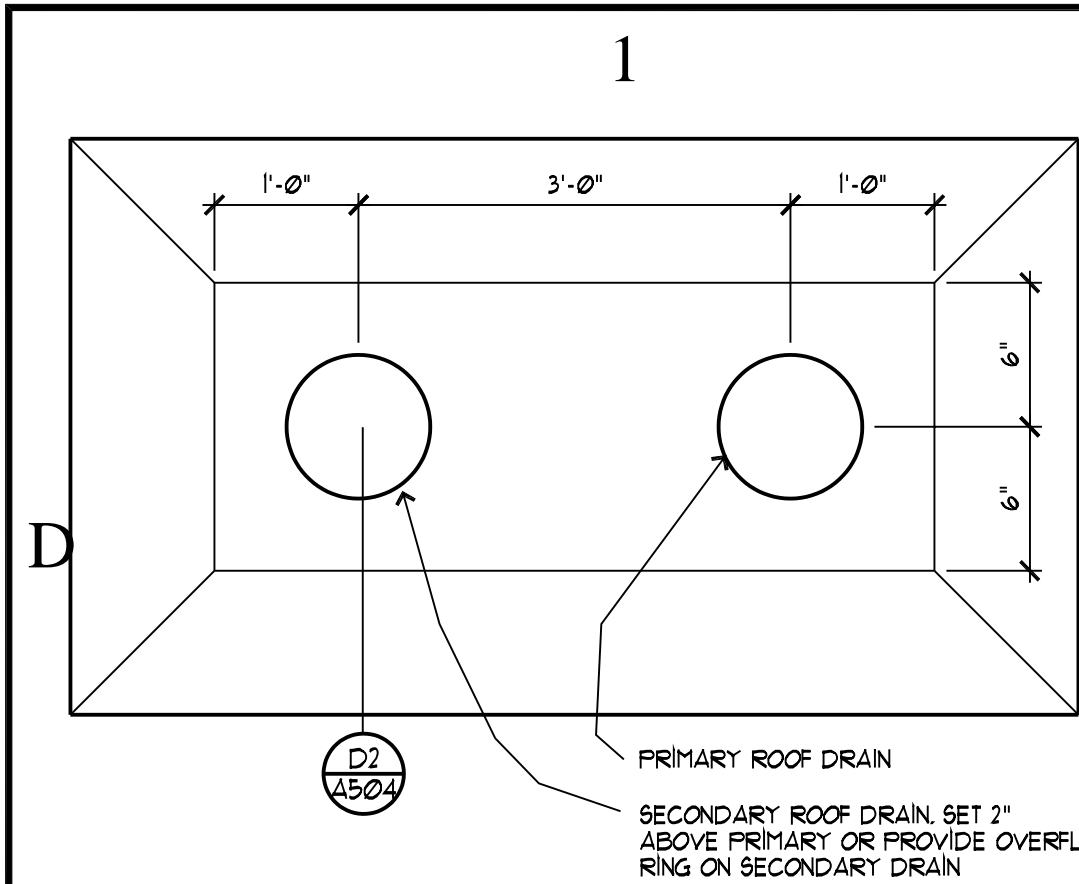
SHEET TITLE

DOOR & WINDOW DETAILS

SHEET NUMBER

A-5 03

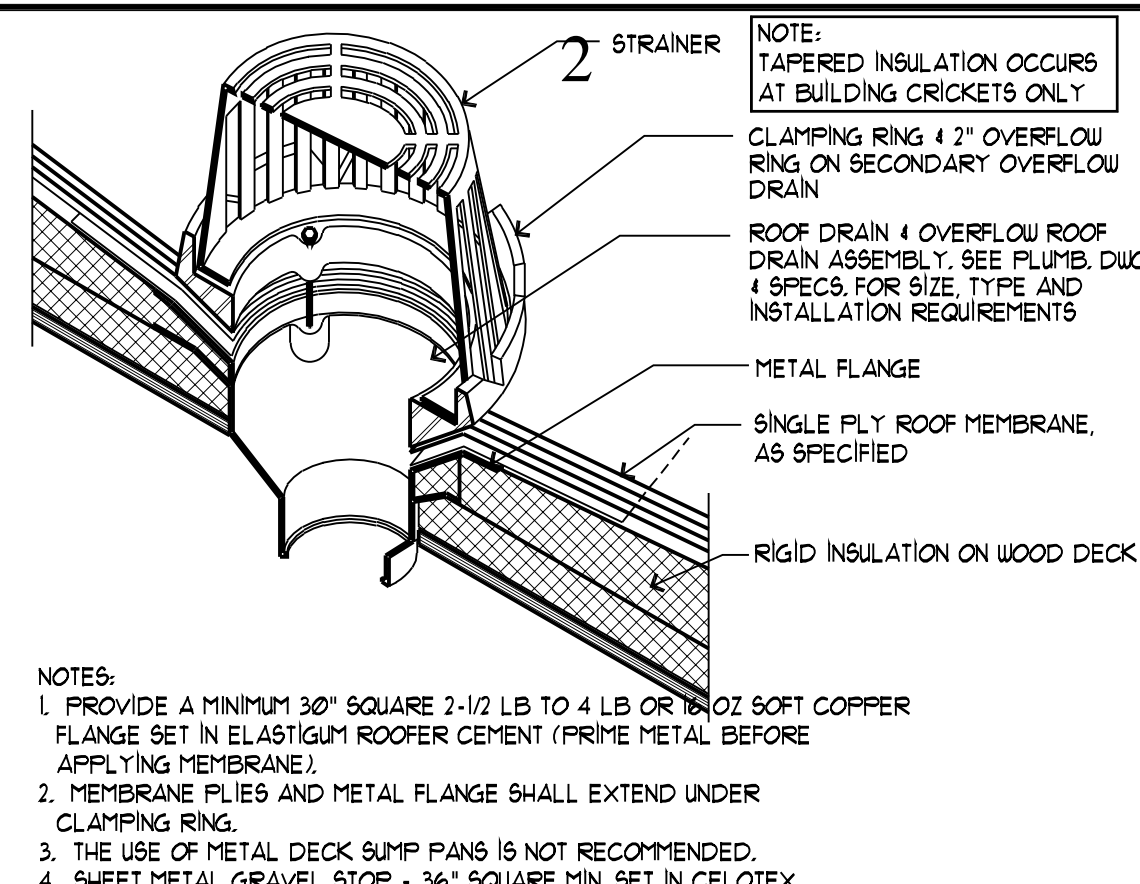
SHEET 028 OF 057



ROOF DRAIN DETAIL

SCALE: 3/4" = 1'-0"

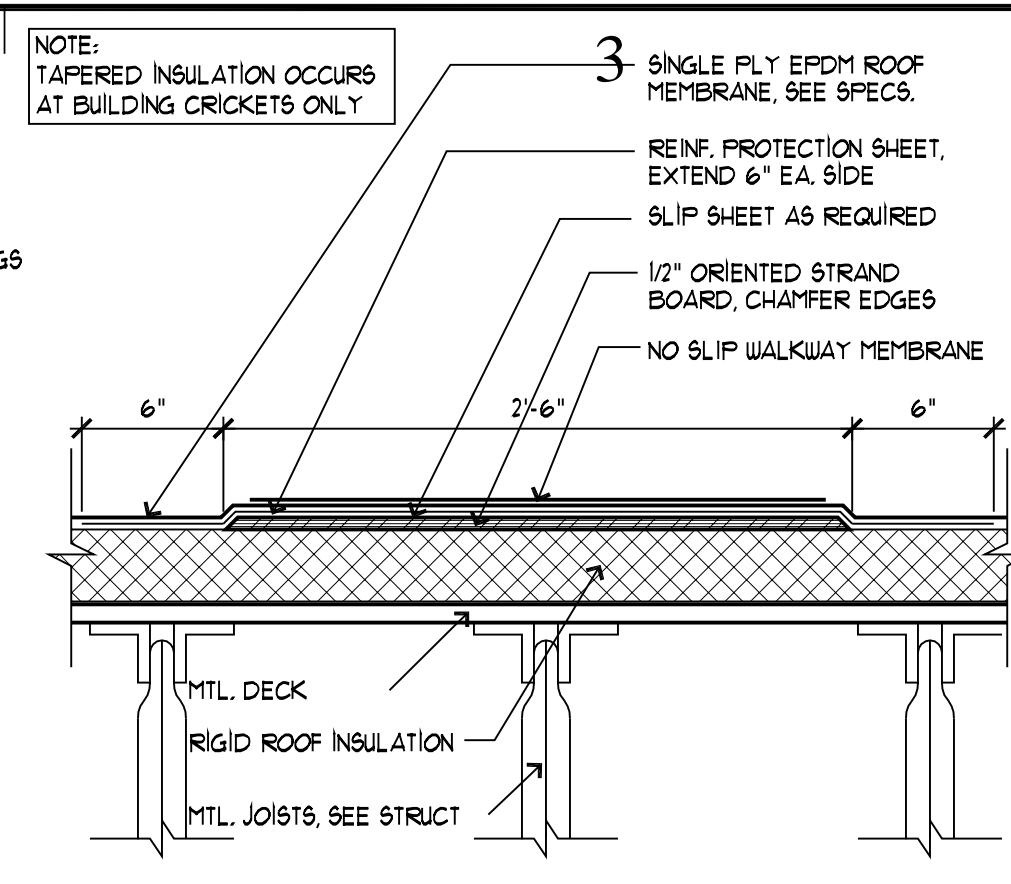
D1
A504



ROOF DRAIN DETAIL

SCALE: 1/8" = 1'-0"

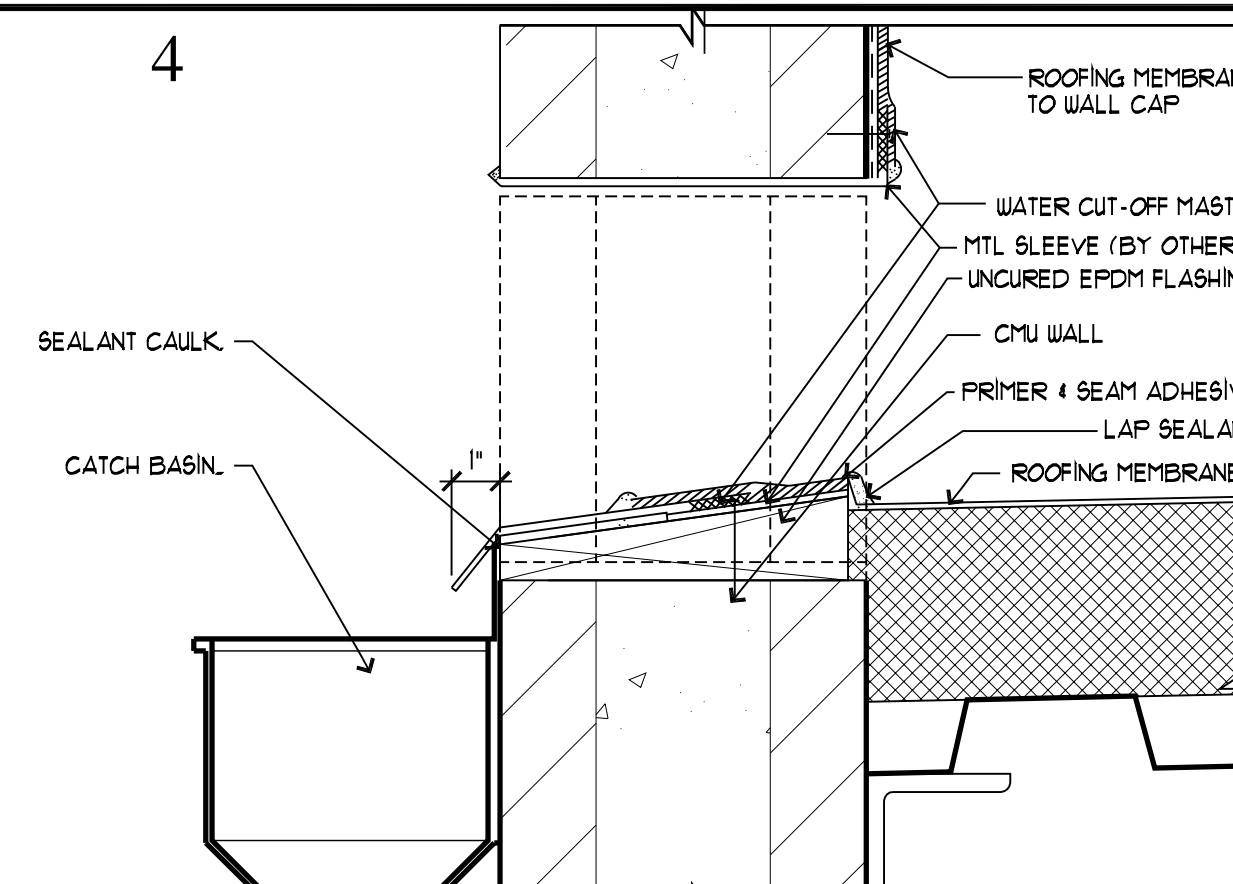
D2
A504



REINFORCED ROOF WALKWAY

SCALE: 1/12" = 1'-0"

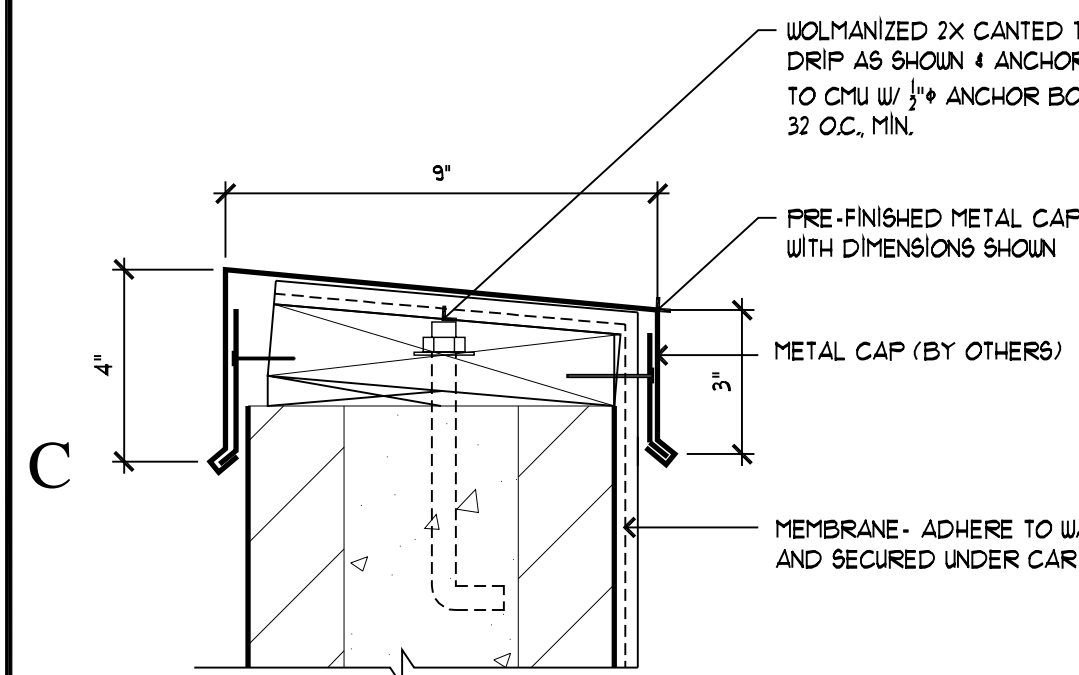
D3
A504



METAL SLEEVE SCUPPER

SCALE: 3" = 1'-0"

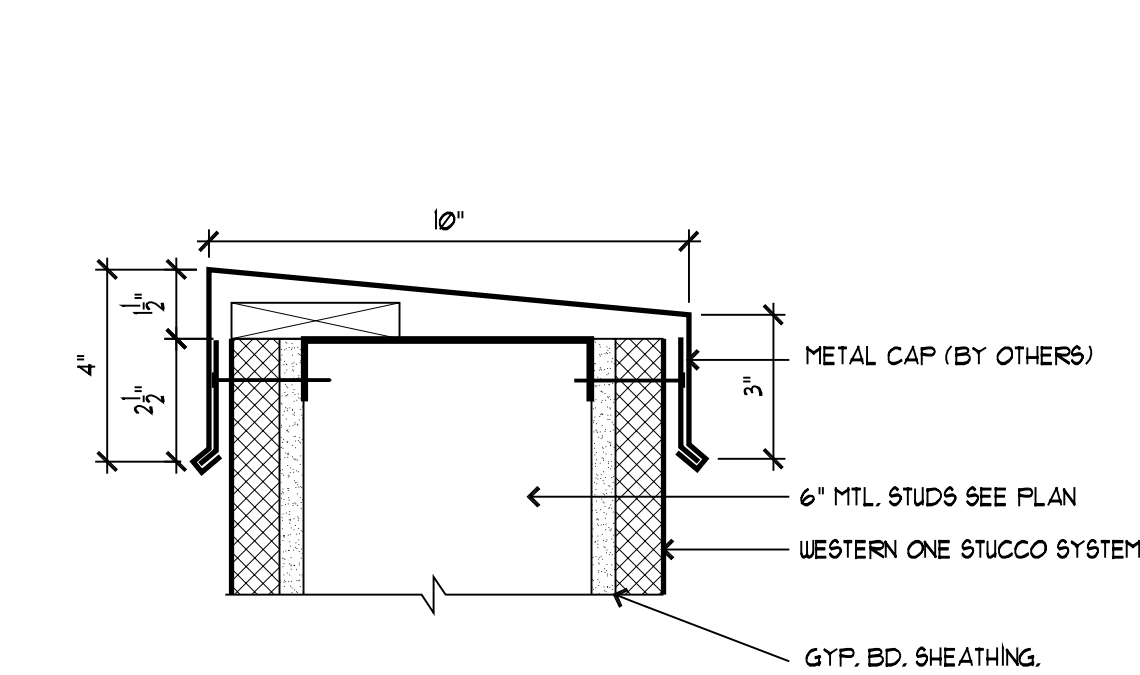
D5
A504



METAL CAP FLASHING

SCALE: 3" = 1'-0"

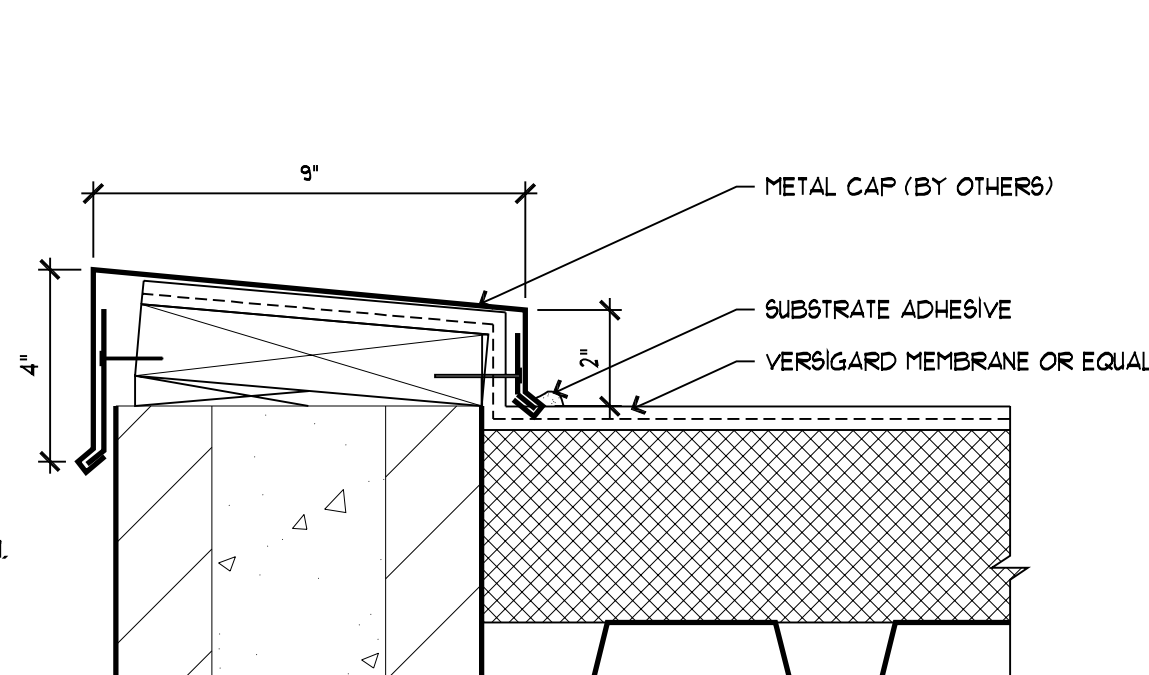
C1
A504



METAL CAP FLASHING

SCALE: 3" = 1'-0"

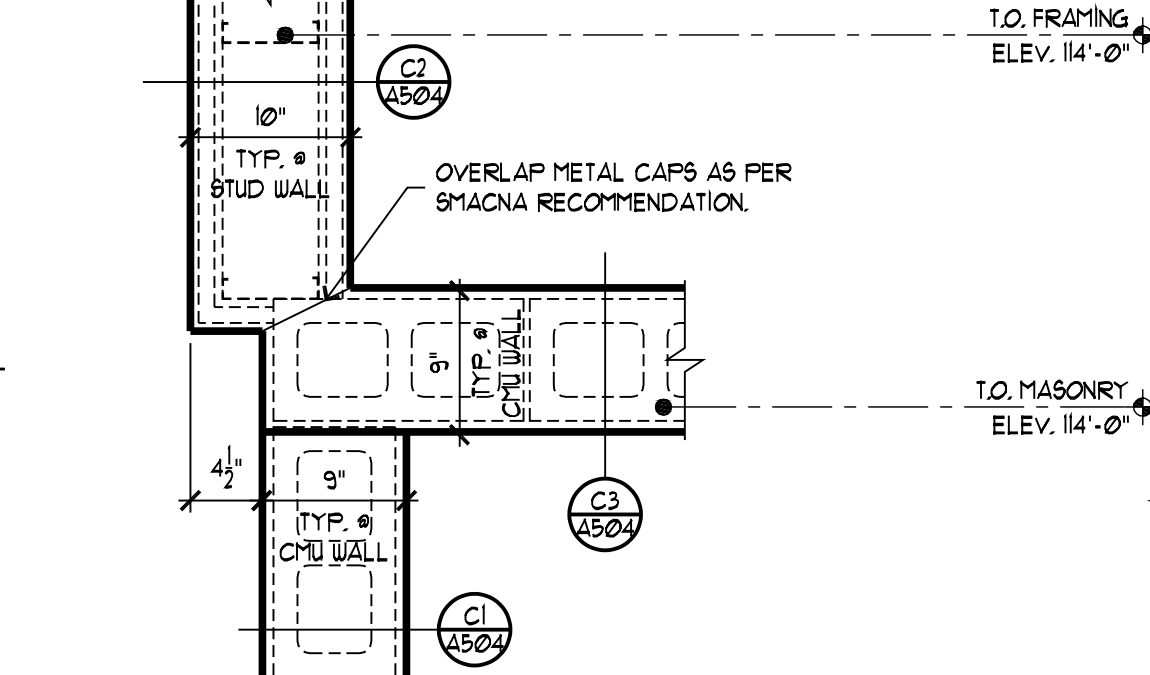
C2
A504



METAL CAP FLASHING

SCALE: 3" = 1'-0"

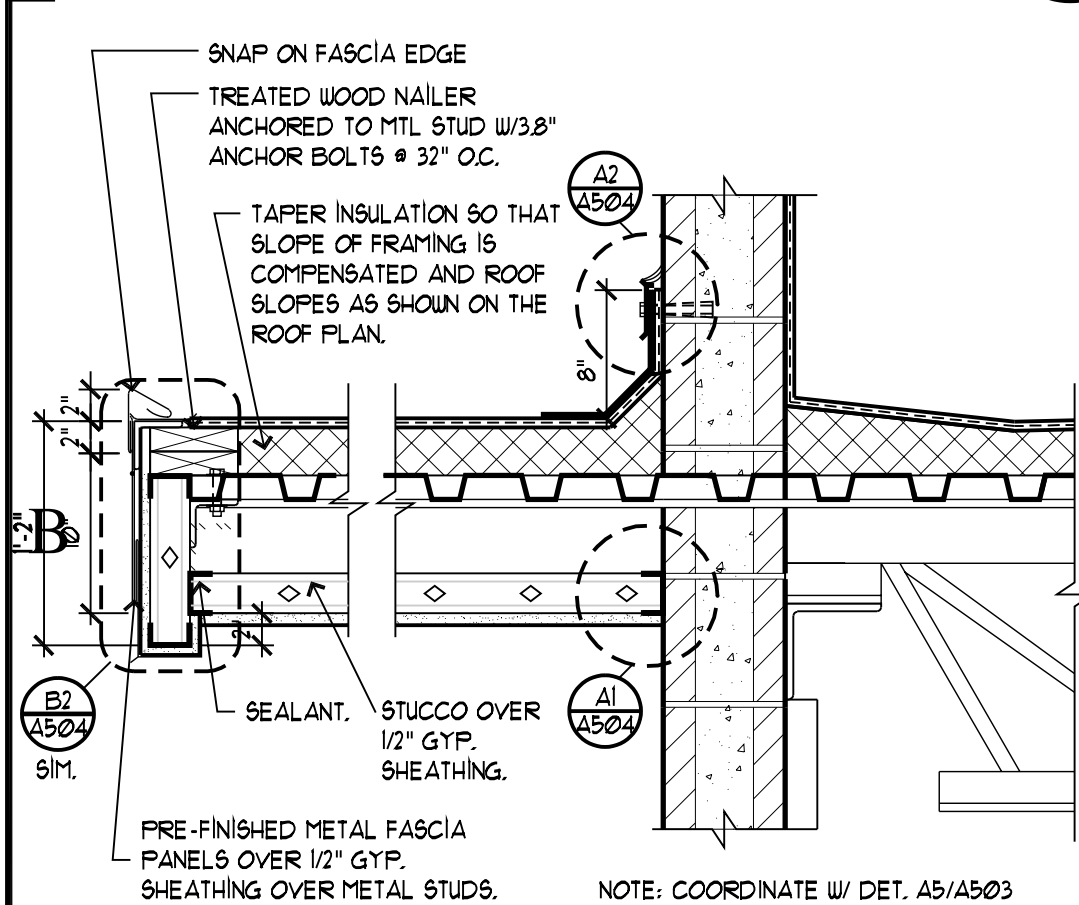
C3
A504



METAL PARAPET CAP TRANSITION DETAIL

SCALE: 1" = 1'-0"

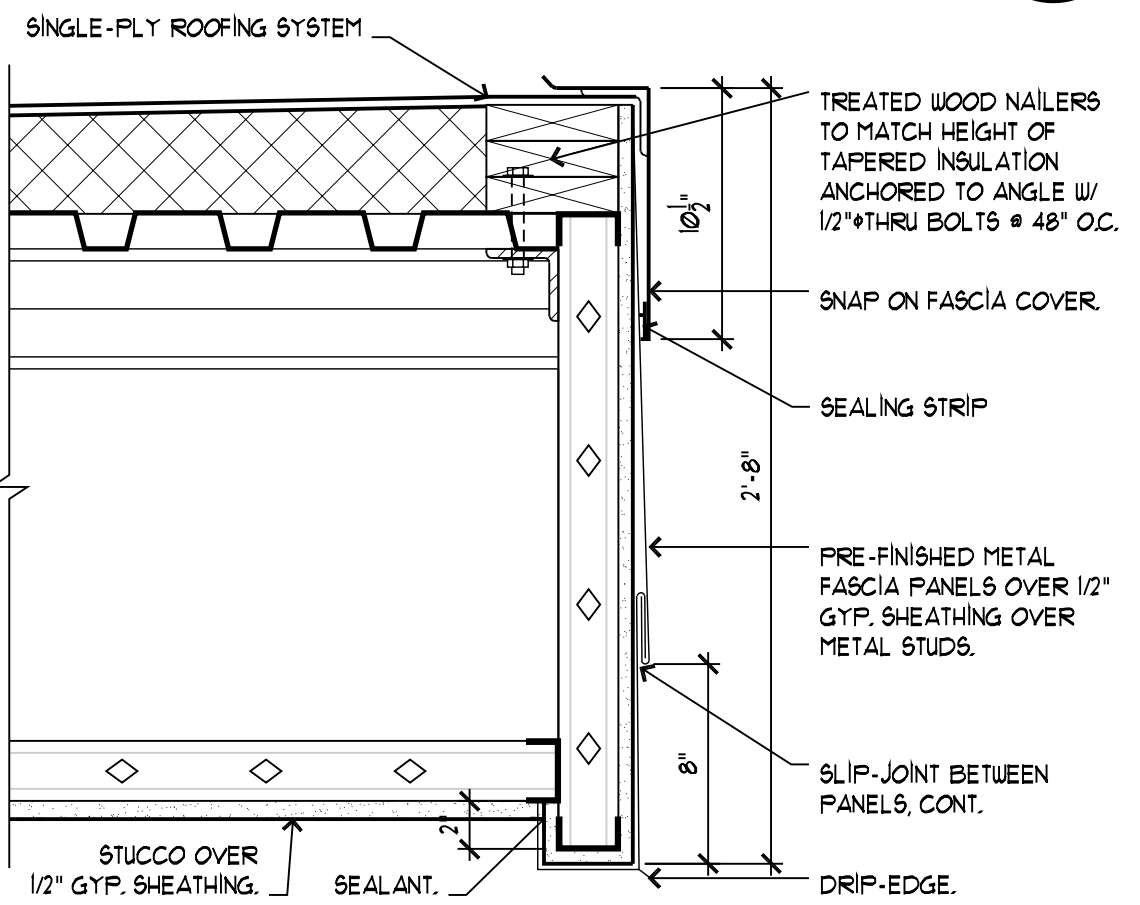
C4
A504



FASCIA DETAIL

SCALE: 1" = 1'-0"

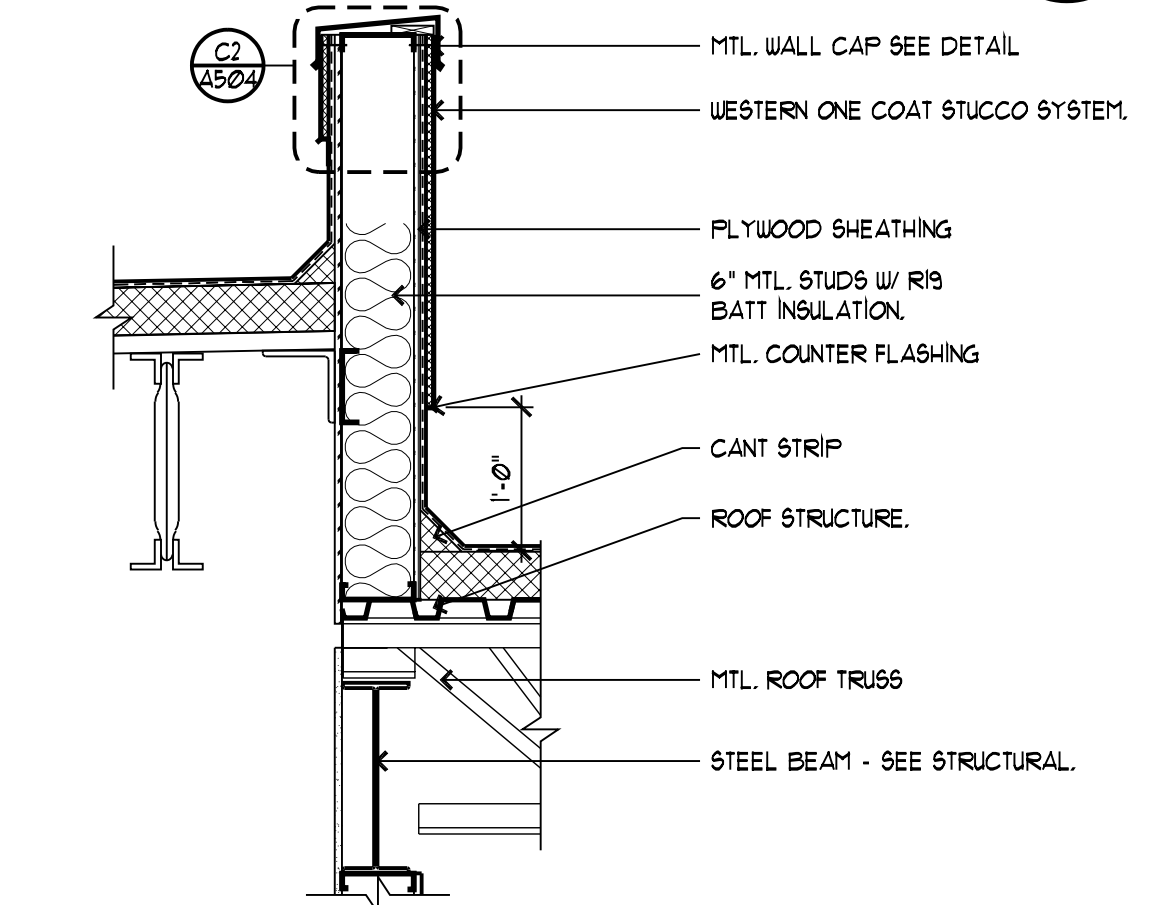
B1
A504



FASCIA DETAIL

SCALE: 1 1/2" = 1'-0"

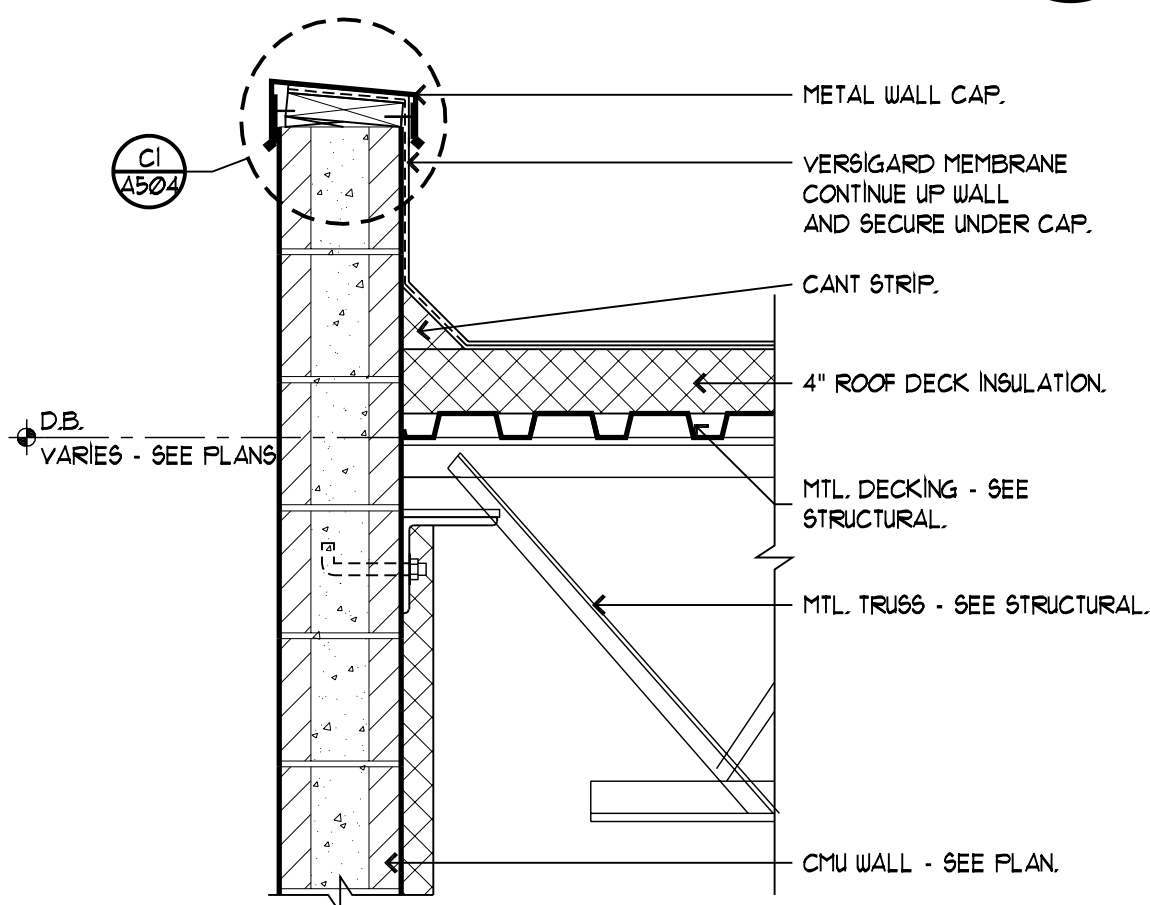
B2
A504



ROOF FLASHING DETAIL

SCALE: 3/4" = 1'-0"

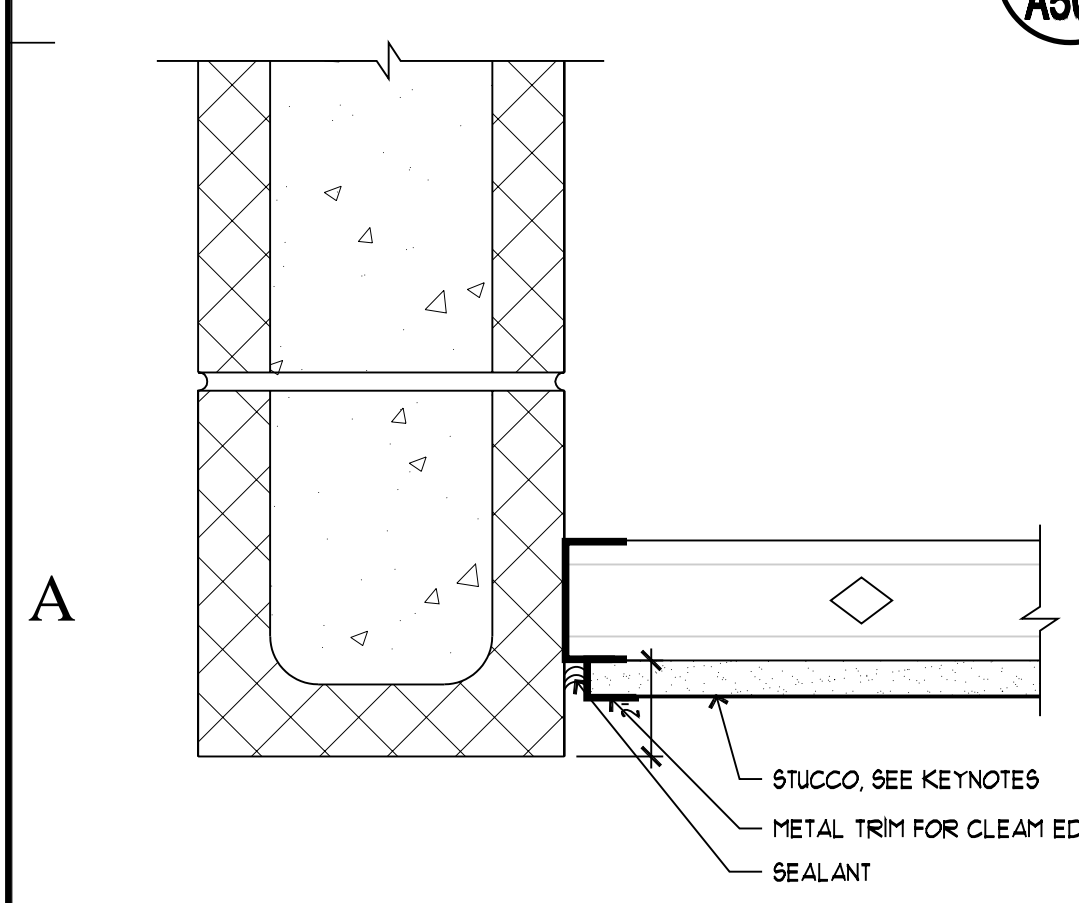
B3
A504



FLASHING DETAIL

SCALE: 1" = 1'-0"

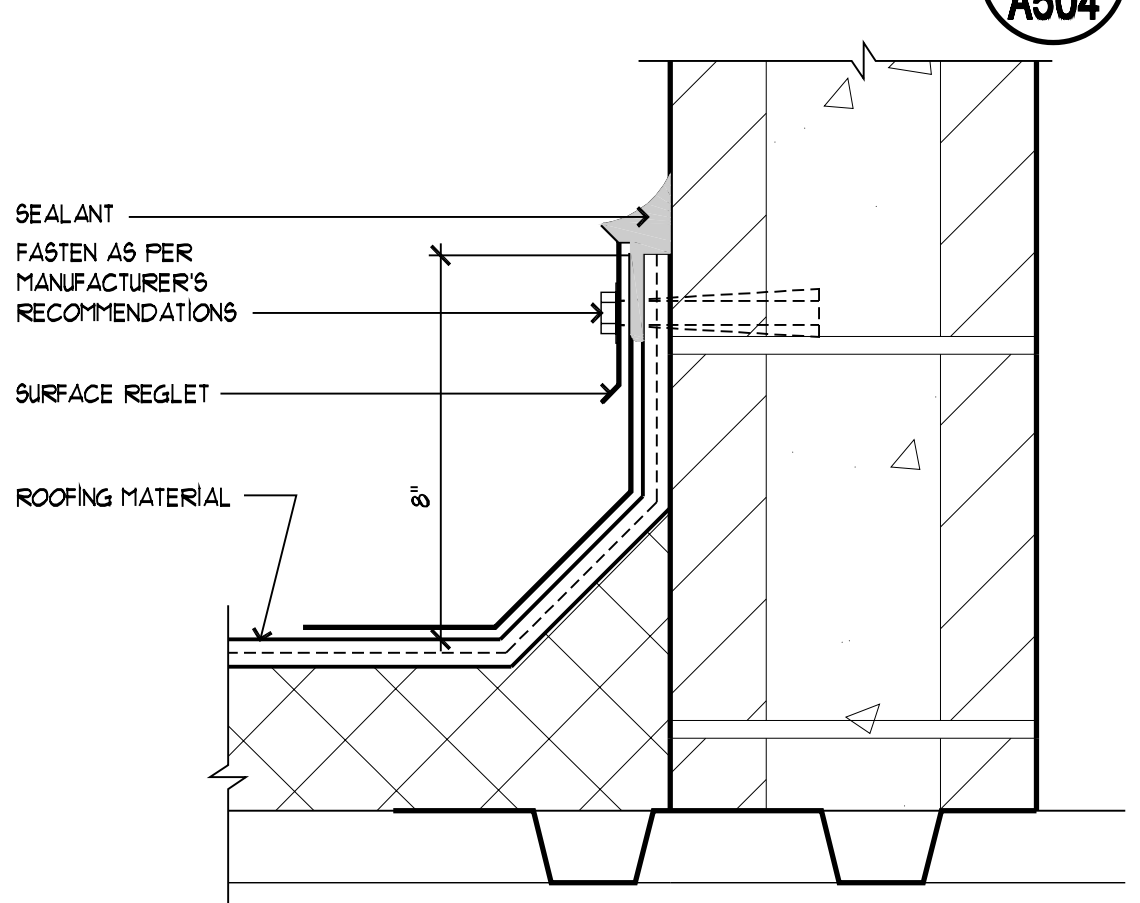
B4
A504



CONNECTION DETAIL • REAR CANOPY

SCALE: 3" = 1'-0"

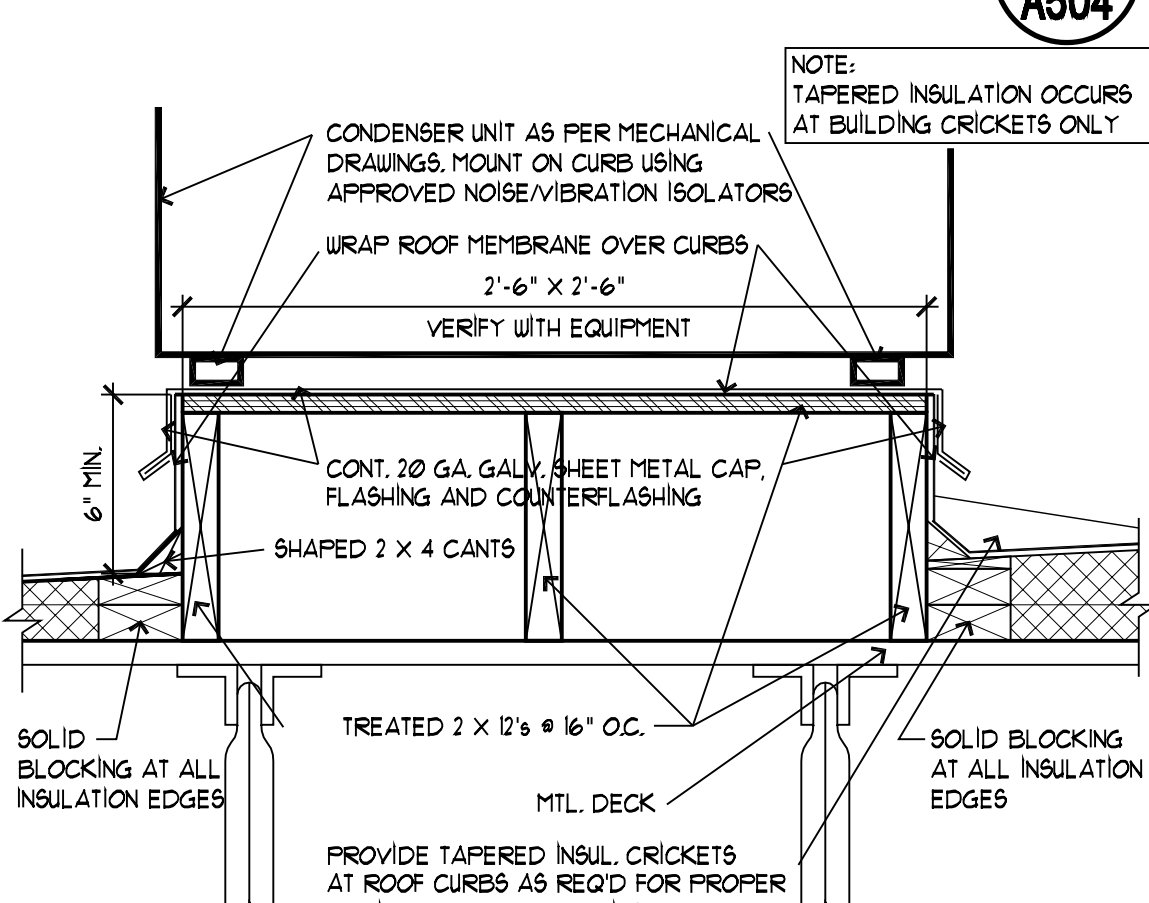
A1
A504



SURFACE REGLET DETAIL

SCALE: 3" = 1'-0"

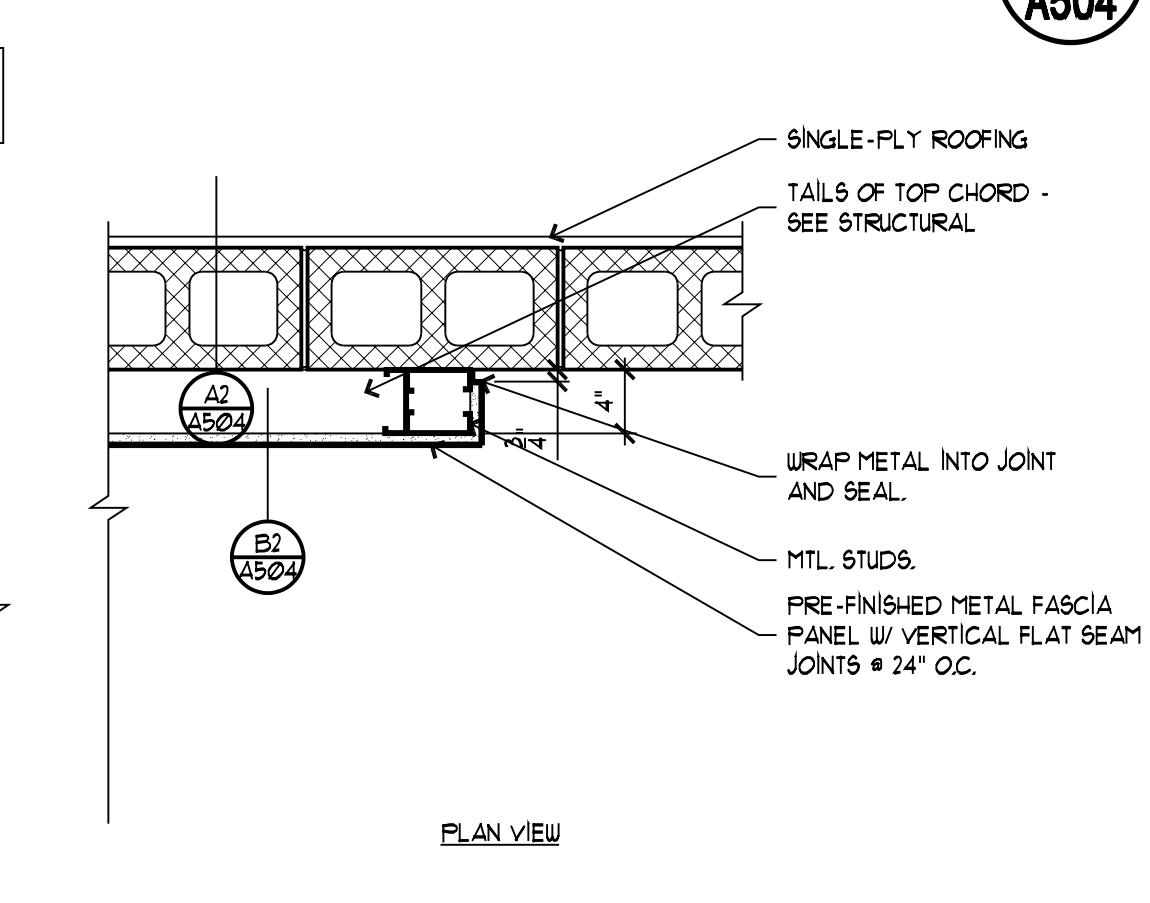
A2
A504



CURB DETAIL AT CONDENSER UNIT

SCALE: 1/12" = 1'-0"

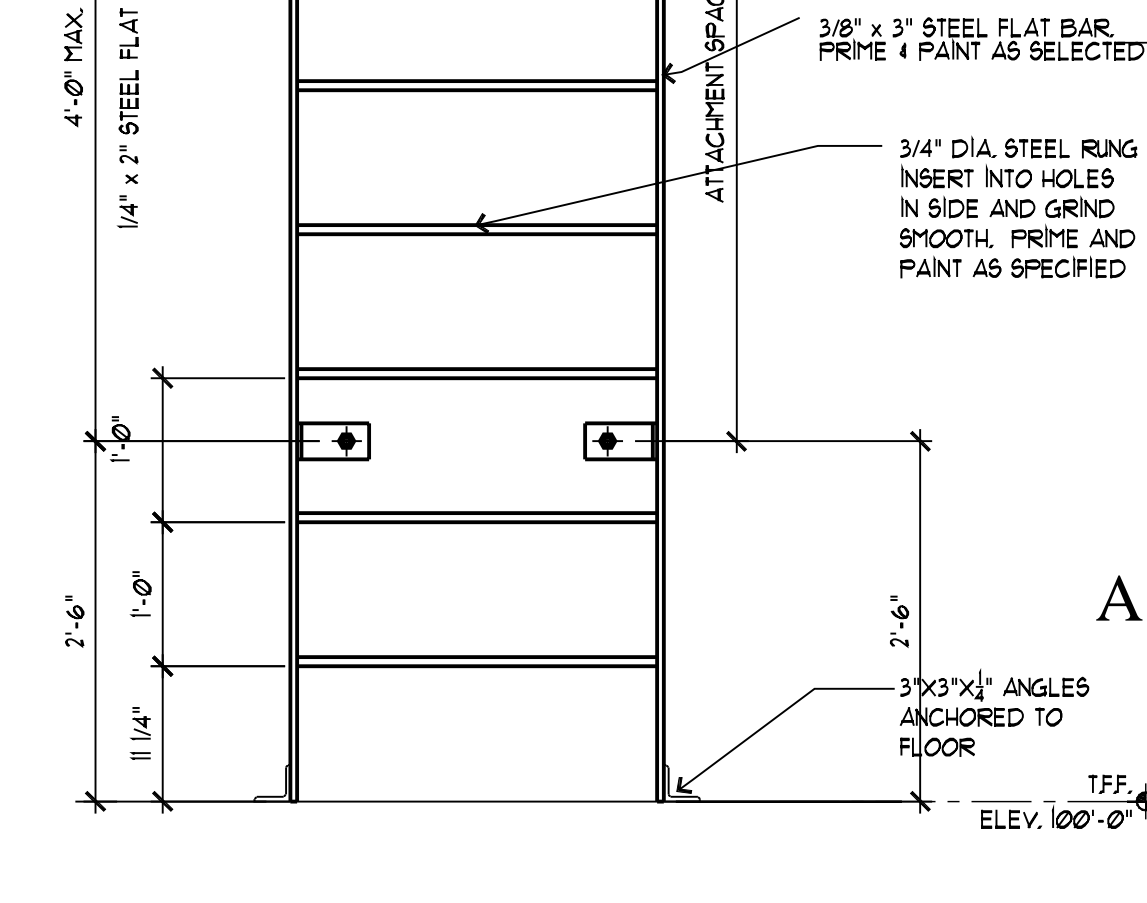
A3
A504



PLAN VIEW OF ROOF CORNER

SCALE: 1" = 1'-0"

A4
A504



ROOF SCUTTLE DETAIL

SCALE: 3/4" = 1'-0"

A5
A504

jsa architecture
planning
interiors

3115 e. lion lane suite 300
salt lake city utah 84121
801.278.8151 fax 801.278.8661

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #3

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|---------|-------------|
| △ | 8-11-05 | ADDENDUM #1 |
| △ | 8-19-05 | ADDENDUM #2 |
| △ | 9-16-05 | RFI #1A |
| △ | 1-08-06 | RFI #2 |

ISSUE TYPE: STATE REVIEW SET

ISSUE DATE: JULY 19, 2005

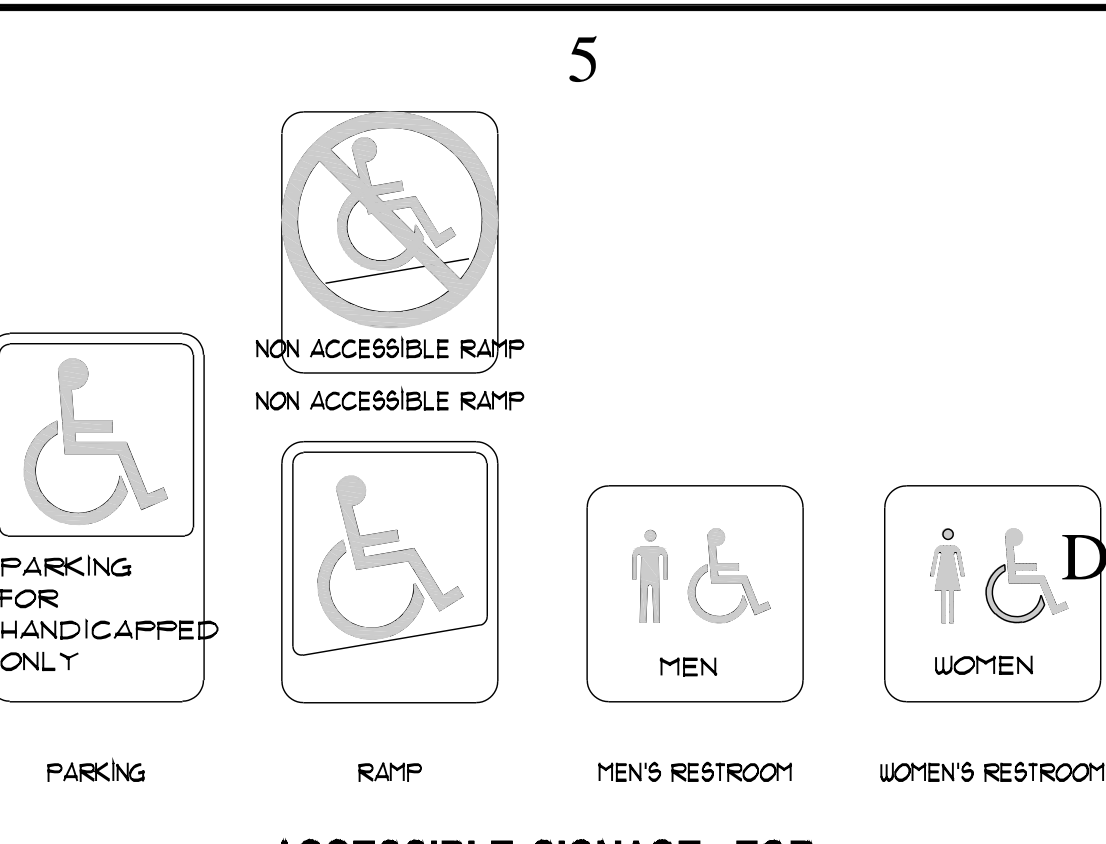
DFCM PROJECT NO: 05020480
CAD PROJECT NO: 0517
CAD DWG FILE:
DRAWN BY: CDJ
CHK'D BY: CJ
COPYRIGHT: STATE OF UTAH

SHEET TITLE
ROOF &
ARCH. DETAILS

SHEET NUMBER

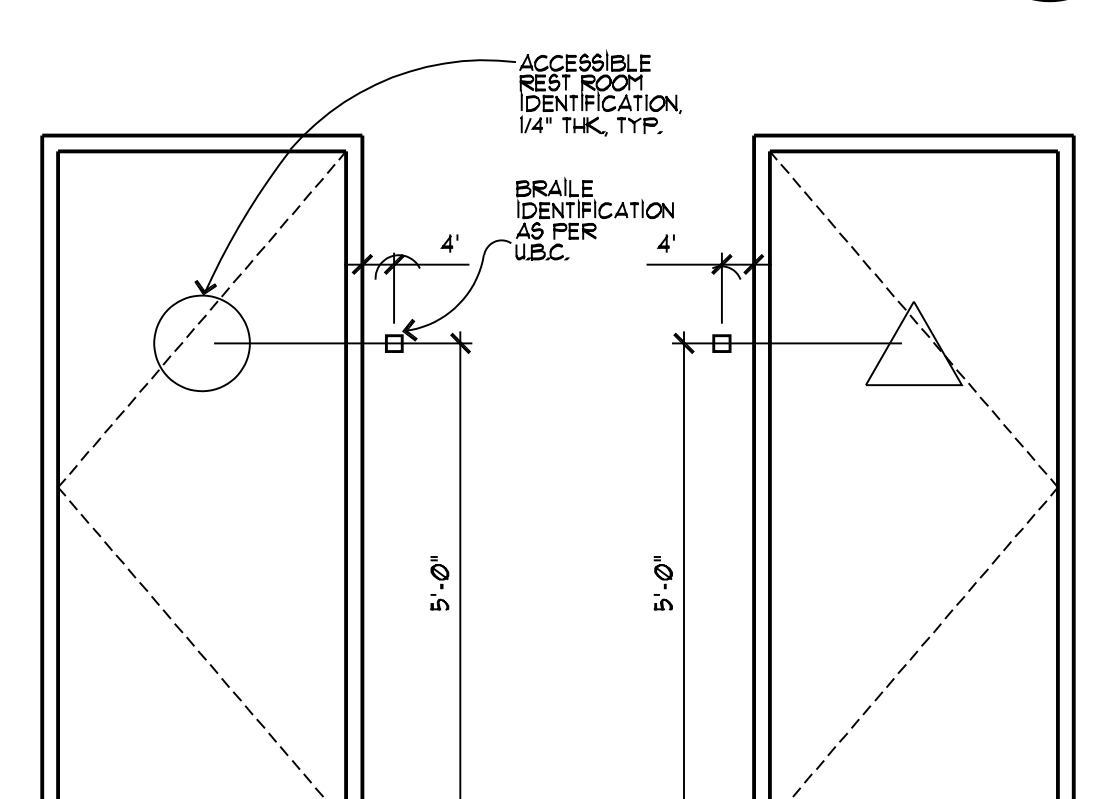
A-5 04

SHEET 029 OF 055

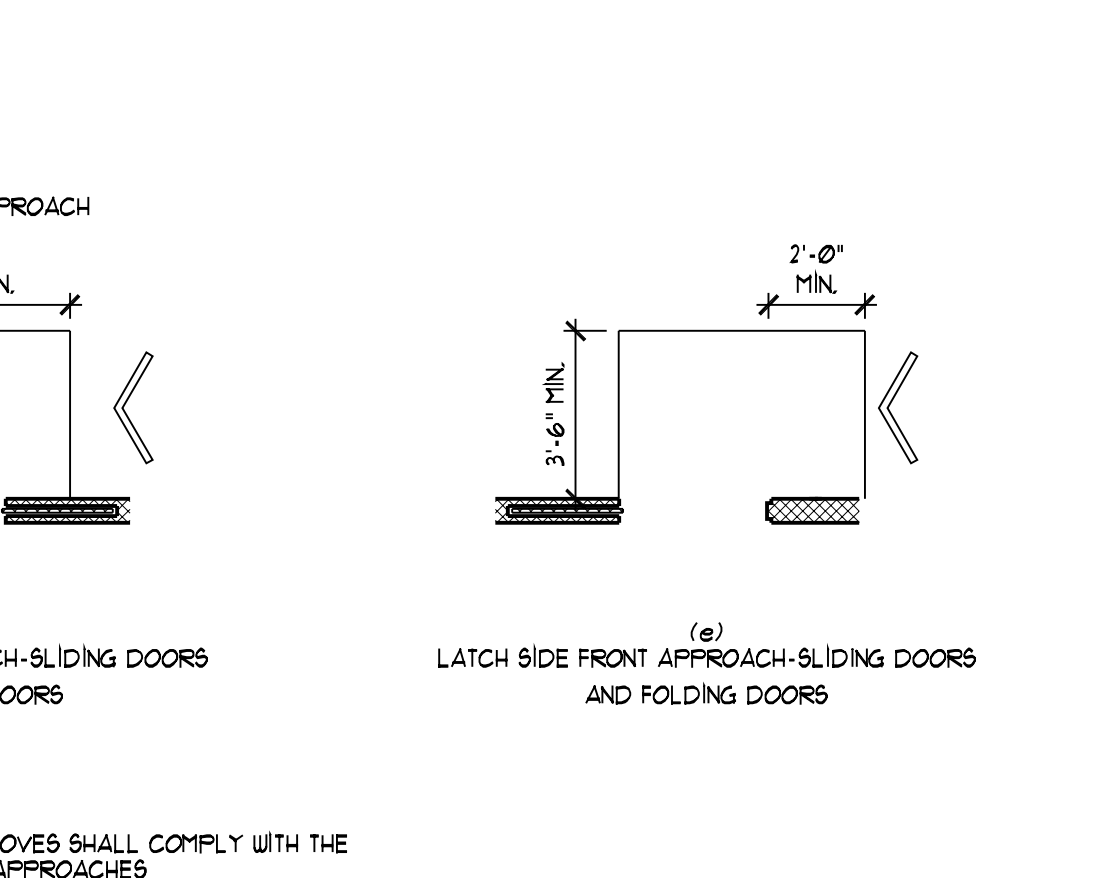


3 IDENTIFY SUCH ACCESSIBLE FEATURES AS ASSISTIVE LISTENING DEVICES, PARKING, AND TEXT TELEPHONES. WHEN NOT ALL SUCH FEATURES ARE ACCESSIBLE, IDENTIFY THE ACCESSIBLE ONES (E.G., TOILET ROOMS AND PARKING) AND PROVIDE DIRECTIONAL SIGNALS FROM INACCESSIBLE ONES. USE PICTOGRAMS AT LEAST 6 IN. HIGH ACCOMPANIED BY A VERBAL DESCRIPTION.

AF05



DA-AC-11 AF05



DA-AC-08

AEOE

19" FOR H-CAP URINALS 24" ALL
OTHER URINALS UNLESS NOTED
OTHERWISE

5/12/2006 4:15:29 PM

1

2

3

4

5

DOOR SCHEDULE

| MARK | DOOR | | | | | | FRAME | | | | | | FIRE RATING | HARDWARE | REMARKS |
|------|--------|--------|-----------|----------|------|--------|----------|----------|---------|----------|------|--------|-------------|----------|------------------------|
| | WIDTH | HEIGHT | THICKNESS | MATERIAL | TYPE | FINISH | HEAD | JAMB | SILL | MATERIAL | TYPE | FINISH | | | |
| D01A | 3'-0" | 7'-0" | 1 3/4" | H.M. | D-1 | PTD | A1/A-503 | A2/A-503 | - | H.M. | F-1 | PTD | N.R. | H-9 | - |
| D01B | 10'-0" | 10'-0" | - | ALUM. | - | - | D3/A-503 | C3/A503 | B1/A503 | - | - | - | N.R. | - | PADLOCK W/ KEY TO UTNG |
| D01A | 3'-0" | 7'-0" | 1 3/4" | H.M. | D-1 | PTD | D1/A-503 | C1/A-503 | B1/A503 | H.M. | F-2 | PTD | N.R. | H-1 | - |
| D02A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | N.R. | H-3 | - |
| D03A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-4 | - |
| D04A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-4 | - |
| D04B | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-4 | - |
| D05A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-6 | - |
| D06A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-6 | - |
| D07A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-8 | - |
| D08A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-4 | - |
| D09A | 3'-0" | 7'-0" | 1 3/4" | S.C. | D-2 | STAIN | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | N.R. | H-3 | - |
| D10A | 3'-0" | 7'-0" | 1 3/4" | H.M. | D-1 | PTD | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-5 | - |
| D11A | 3'-0" | 7'-0" | 1 3/4" | H.M. | D-1 | PTD | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-5 | - |
| D12A | 3'-0" | 7'-0" | 1 3/4" | H.M. | D-1 | PTD | D5/A503 | C5/A503 | - | H.M. | F-1 | PTD | 20 min. | H-5 | - |

NOTE: SEE SPECIFICATIONS FOR HARDWARE SCHEDULE.

DOOR TYPES

SCALE: 1/4" = 1'-0"

F-1

5/8" H.M. DOOR FRAME

GALV. # UET AREAS

F-2

5/8" H.M. DOOR FRAME

D3 A503

C3 A503

C3 A503

DOOR TYPES

SCALE: 1/4" = 1'-0"

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

DOOR HARDWARE
SCHEDULE

SHEET NUMBER

A-6 01

SHEET 031 OF 057

5/12/2006 4:15:36 PM

D

C

B

A

| JLTC BUILDING #2 – FINISH SCHEDULE | | | | | | | | | | | | | | | | | | | |
|------------------------------------|------------------|--------------|----------------|------------|-------------------|-----------|------------------|------------|-------------------|-----------|------------------|----------------|--------------|-----------|-------------|-------------------------|--|--|--|
| ROOM# | ROOM NAME | CEILING TYPE | CEILING FINISH | NORTH WALL | NORTH WALL FINISH | EAST WALL | EAST WALL FINISH | SOUTH WALL | SOUTH WALL FINISH | WEST WALL | WEST WALL FINISH | FLOOR MATERIAL | FLOOR FINISH | WALL BASE | BASE FINISH | REMARKS | | | |
| 100 | VESTIBULE | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | EM-1 | | B-2 | | | | | |
| 101 | CORRIDOR | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 102 | OFFICE | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 103 | WORKROOM | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 104 | TRAINING ROOM | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 105 | MEN'S RESTROOM | C-2 | PF-3 | PF-1 | SEE INT. ELEV. | PF-3 | SEE INT. ELEV. | PF-3 | SEE INT. ELEV. | PF-3 | | VCT-1 | | B-1 | | VARIES, SEE SHEET A-102 | | | |
| 106 | BREAKROOM | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 107 | WOMEN'S RESTROOM | C-2 | PF-3 | PF-1 | SEE INT. ELEV. | PF-3 | SEE INT. ELEV. | PF-3 | SEE INT. ELEV. | PF-3 | SEE INT. ELEV. | VCT-1 | | B-1 | | VARIES, SEE SHEET A-102 | | | |
| 108 | WORKROOM | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 109 | OFFICE | C-1 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | B-2 | | | | | |
| 110 | IDF ROOM | C-3 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | FC-1 | | N/A | N/A | | | | |
| 111 | MECHANICAL ROOM | C-3 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | SC-1 | SEALED CONC. | N/A | N/A | | | | |
| 112 | ELECTRICAL ROOM | C-3 | -- | PF-1 | | PF-1 | | PF-1 | | PF-1 | | SC-1 | SEALED CONC. | N/A | N/A | | | | |

| CEILING FINISH LEGEND (C) | | | | |
|---------------------------|--------------------------|----------------------|--------------|-------|
| MARK | CEILING FINISH | CEILING MATERIAL | PAINT FINISH | NOTES |
| C-1 | ACOUSTICAL TILE CEILING | 2X4 ACOUSTICAL TILES | N/A | |
| C-2 | TAPED, SANDED, & PAINTED | 5/8" GYP. BD. | PF-3 | |
| C-3 | OPEN TO STRUCTURE | N/A | N/A | |
| | | | | |
| | | | | |
| | | | | |

| PAINT FINISH LEGEND (PF) | | | | | | | | |
|--------------------------|-------------------------|----------|---------|------------|-------|-----------|-------------|----------------|
| MARK | MANUFACTURER | MANUF. # | COLOR | SHEEN | COATS | BASE COAT | PRIMER COAT | NOTES |
| PF-1 | KWAL PAINT – AMBASSADOR | #3200 | KW87GOW | SATIN | 2 | | 1 | ACRYLIC ENAMEL |
| PF-2 | KWAL PAINT – AMBASSADOR | #3200 | KW87G5D | SATIN | 2 | | 1 | ACRYLIC ENAMEL |
| PF-3 | KWAL PAINT – ACCU GUARD | #3200 | KW87GOW | SEMI-GLOSS | 2 | | 1 | ACRYLIC ENAMEL |

| FLOOR LEGEND | | | | | | | | |
|--------------|-----------------|---------|-----------|--------------|----------------|-------|-------------|---|
| MARK | MATERIAL | COLOR | SIZE | MANUFACTURER | MANUFACTURER # | GROUT | GROUT COLOR | REMARKS/ INSTALLATION THINSET/SETTING BED |
| FC-1 | CARPET | AS SEL. | SEE PLAN | ARCHES | Z6317 | N/A | N/A | STATE CONTRACT |
| VCT-1 | VCT | AS SEL. | SEE PLAN | ARMSTRONG | AS SELECTED | N/A | N/A | OR APPROVED EQUAL |
| EM-1 | ENTRY MAT | AS SEL. | SEE PLANS | AS SELECTED | AS SELECTED | N/A | N/A | RUBBER ENTRY MAT TILES |
| SC-1 | SEALED CONCRETE | N/A | N/A | N/A | N/A | N/A | N/A | |
| | | | | | | | | |

| BASE LEGEND (B) | | | | | | |
|-----------------|----------------|---------|------|--------------|----------------|---------------------------------|
| MARK | MATERIAL TYPE | COLOR | SIZE | MANUFACTURER | MANUFACTURER # | INSTALLATION INSTRUCTION/DETAIL |
| B-2 | 4" RUBBER BASE | AS SEL. | 4" | JOHNSONITE | AS SEL. | STATE CONTRACT |

| BATHROOM HARDWARE LEGEND | | | | |
|--------------------------|--|--------------------|--------|-------|
| MARK | ACCESSORY | ROUGH WALL OPENING | | |
| | | WIDTH | HEIGHT | DEPTH |
| BH-1 | AMERICAN SPECIALTIES – #13153: UTILITY SHELF W/ MOP HOLDER AND RAG HOLDER, 3 MOP HOLDERS/2 RAG HOOKS/30" LONG MOUNT @ 5'-6" A.F.F. | | | |
| BH-2 | AMERICAN SPECIALTIES – 30" STAINLESS STEEL GRAB BAR. CENTER OF GRAB BAR TO BE 34 1/2" A.F.F. | | | |
| BH-3 | AMERICAN SPECIALTIES – 36" STAINLESS STEEL GRAB BAR. CENTER OF GRAB BAR TO BE 34 1/2" A.F.F. | | | |
| BH-4 | AMERICAN SPECIALTIES – 42" STAINLESS STEEL GRAB BAR. CENTER OF GRAB BAR TO BE 34 1/2" A.F.F. | | | |
| BH-5 | AMERICAN SPECIALTIES – 48" STAINLESS STEEL GRAB BAR. CENTER OF GRAB BAR TO BE 34 1/2" A.F.F. | | | |
| BH-6 | AMERICAN SPECIALTIES CHANNEL FRAME MIRROR. SIZE 2'-0" X 4'-0" AT RESTROOMS | | | |
| BH-7 | AMERICAN SPECIALTIES, SINGLE ROPE HOOK, MODEL 7340 | | | |

INTERIOR FINISH LEGENDS

SCALE: N.T.S. 1"=0"



A

B

C

D

LEGEND- INTERIOR ELEVATIONS

xx

INTERIOR FINISH
SEE FINISH LEGENDS

○

KEY REFERENCE NOTES

☁

REVISION CLOUD

KEYNOTES

①

JANITOR'S HOOK AND SHELF - SEE RESTROOMS ACCESSORIE SCHEDULE ON SHEET 1000.

②

MOP SINK, SEE MECHANICAL FOR TYPE.

③

DRINKING FOUNTAINS - SEE MECHANICAL FOR TYPE.

④

BLOCKING AS PART OF METAL STUD WALL - SEE DETAIL A3/AS01. USE TYPE #3.

⑤

3/4" GYP. BD. SOFFIT - SEE DETAIL NOTED.

⑥

FRP PANEL - SEE SPEC. SECTION 09100

⑦

NOT USED

⑧

TOILET PARTITION - SEE SPECIFICATIONS SECTION 1035.

GENERAL NOTES

1.

SEE SHEET 1000 FOR FINISH SCHEDULE AND DETAIL OF FINISHES TAGGED ON THIS SHEET.

2.

FOR PLUMBING FIXTURE MOUNTING HEIGHTS - SEE DETAIL A3/AS05.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: MLJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

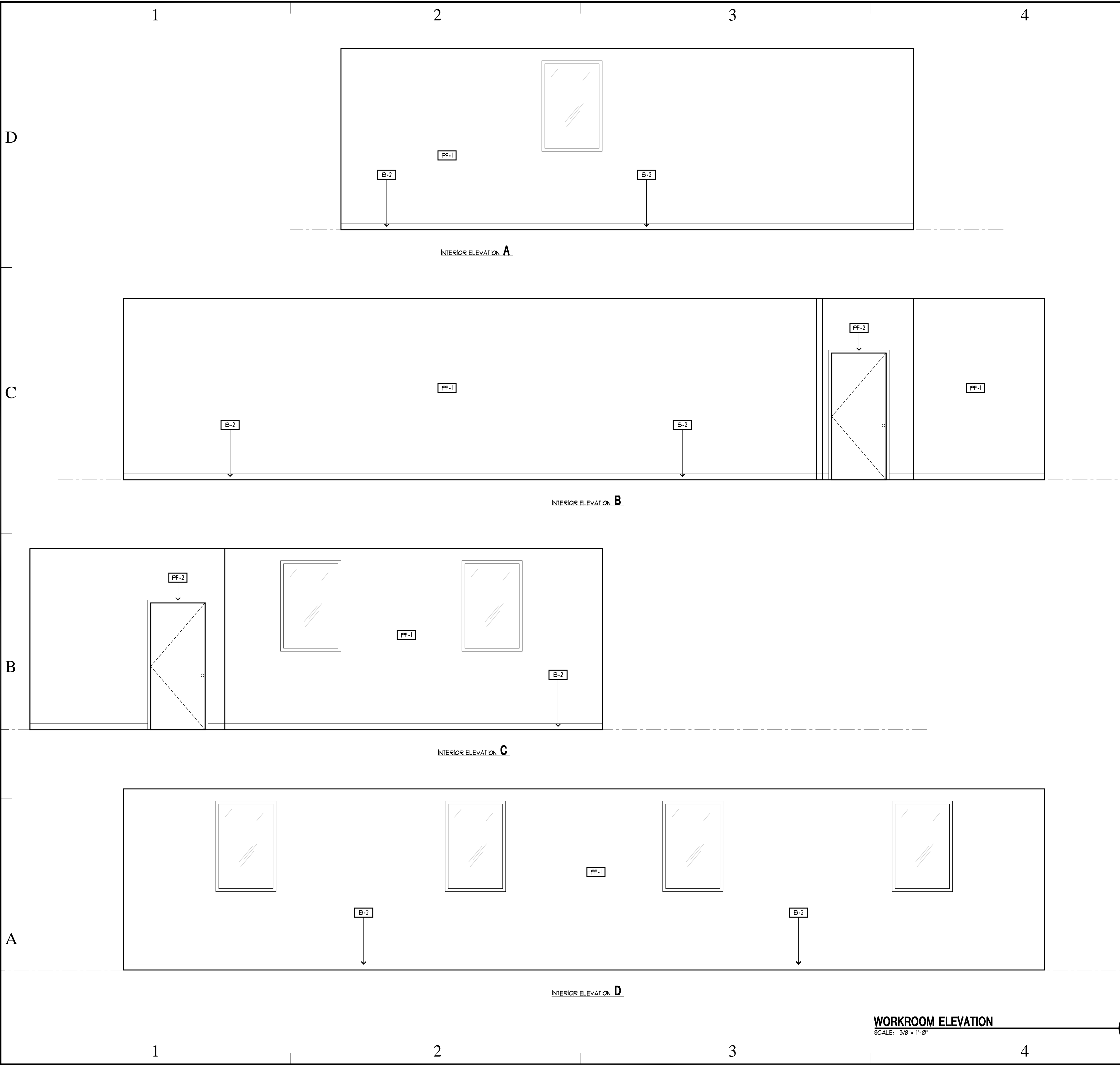
INTERIOR
FINISH SCHEDULES

SHEET NUMBER

1-2 00

SHEET 033 OF 057

5/12/2006 4:55:46 PM



LEGEND- INTERIOR ELEVATIONS

XX

INTERIOR FINISH
SEE FINISH LEGENDS

○

KEY REFERENCE NOTES

☁

REVISION CLOUD

KEYNOTES

①

JANITOR'S HOOK AND SHELF - SEE RESTROOM'S ACCESSORIE SCHEDULE ON SHEET I200.

②

MOP SINK, SEE MECHANICAL FOR TYPE.

③

DRINKING FOUNTAINS - SEE MECHANICAL FOR TYPE.

④

BLOCKING AS PART OF METAL STUD WALL - SEE DETAIL A3/A501. USE TYPE 13.

⑤

3/4" GYP. BD. SOFFIT - SEE DETAIL NOTED.

⑥

FRP PANEL - SEE SPEC. SECTION 093000

⑦

NOT USED

⑧

TOILET PARTITION - SEE SPECIFICATIONS SECTION 10105.

GENERAL NOTES

1.

SEE SHEET I200 FOR FINISH SCHEDULE AND DETAIL OF FINISHES TAGGED ON THIS SHEET.

2.

FOR PLUMBING FIXTURE MOUNTING HEIGHTS - SEE DETAIL A3/A505.

jsa

architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121

801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

SHEET TITLE

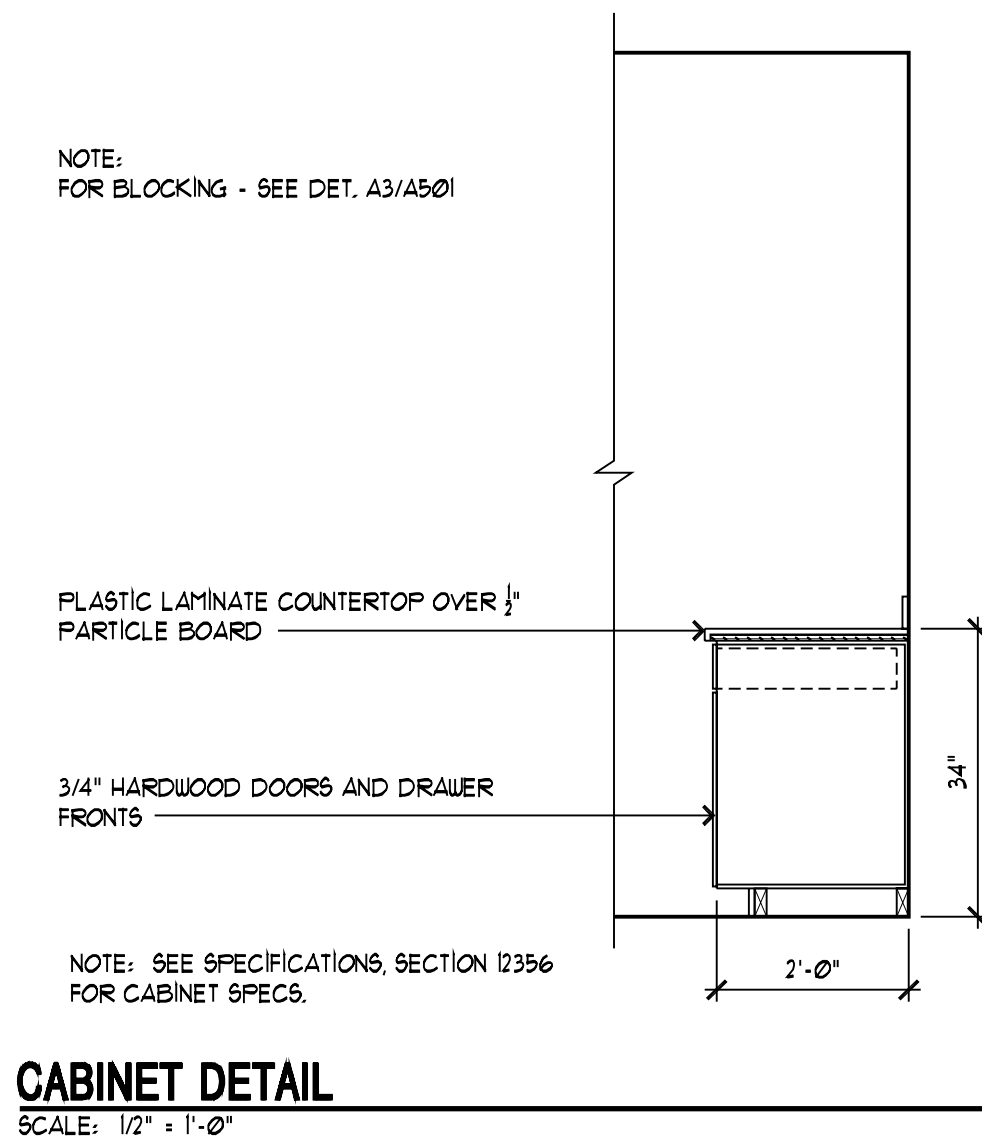
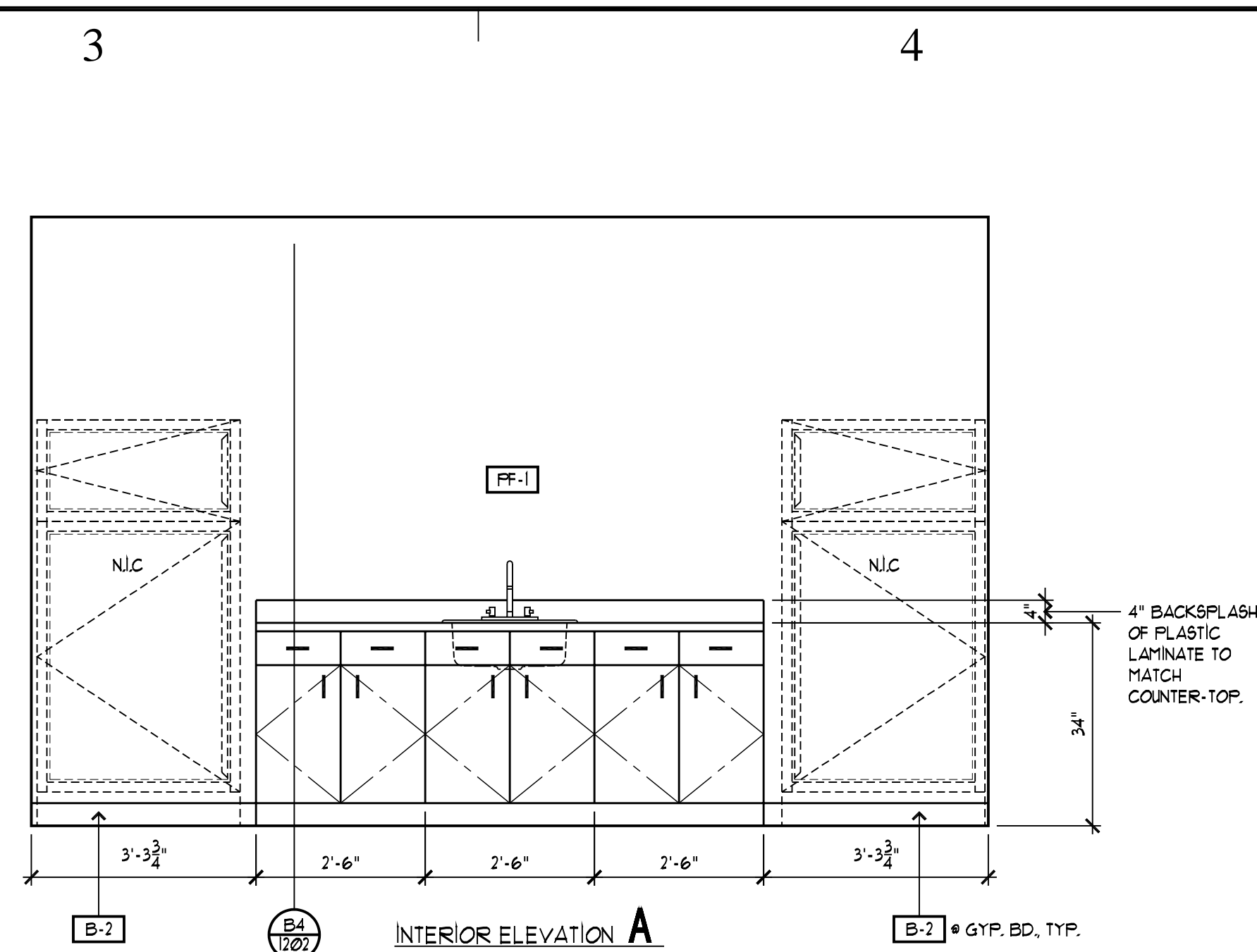
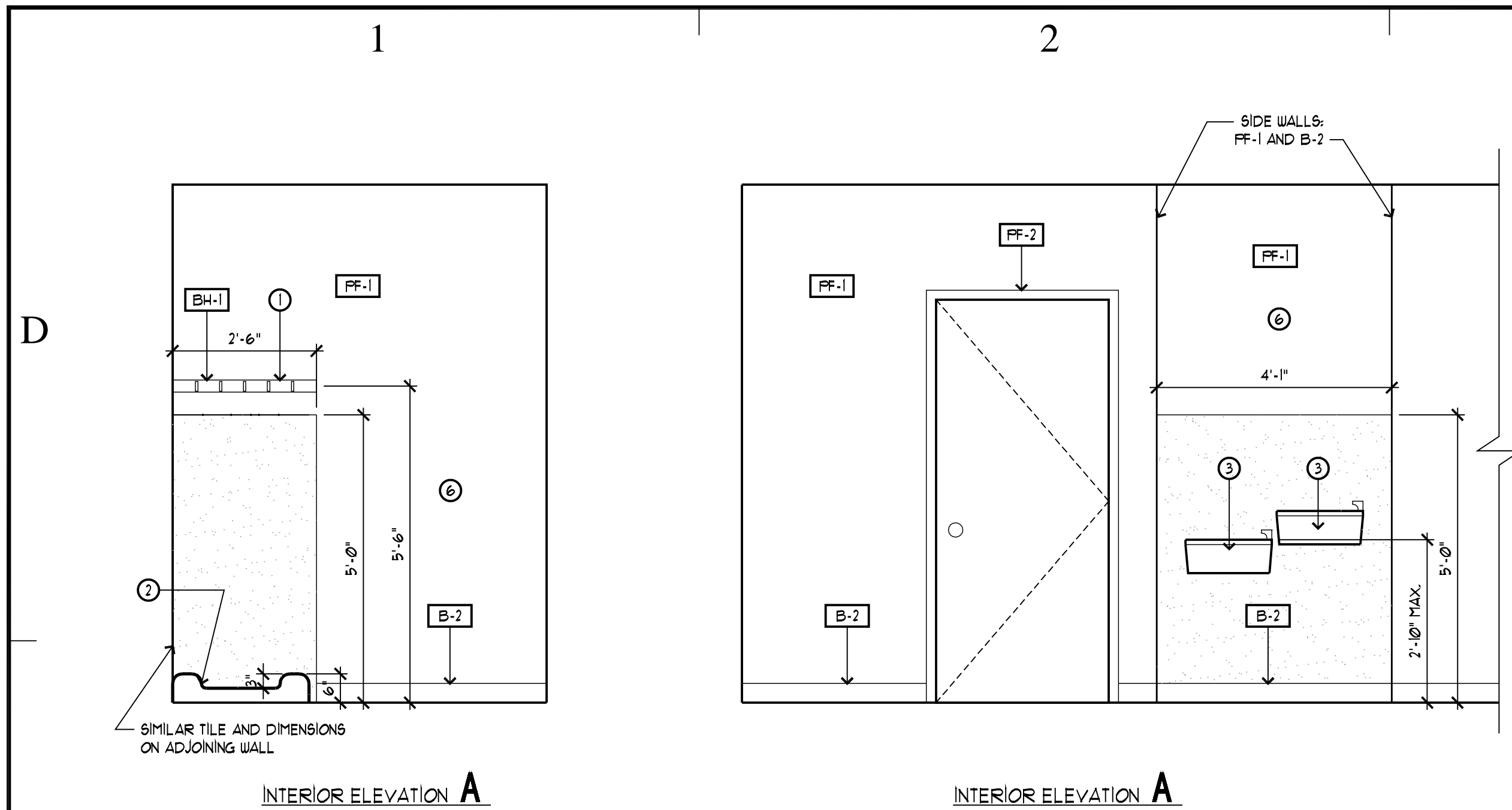
INTERIOR
ELEVATIONS

SHEET NUMBER

I-2 01

SHEET 034 OF 057

5/15/2006 10:13:37 AM



5

LEGEND- INTERIOR ELEVATIONS


XX

P

INTERIOR FINISH
SEE FINISH LEGENDS

KEY REFERENCE NOTES

REVISION CLOUD



KEYNOTES

① JANITOR'S HOOK AND SHELF - SEE RESTROOM'S ACCESSORIE SCHEDULE ON SHEET 1200.

② MOP SINK, SEE MECHANICAL FOR TYPE.

③ DRINKING FOUNTAINS - SEE MECHANICAL FOR TYPE.

④ BLOCKING AS PART OF METAL STUD WALL - SEE DETAIL A3/A501. USE TYPE 13.

⑤ 3" GYP. BD. SOFFIT - SEE DETAIL NOTED.

⑥ FRP PANEL - SEE SPEC. SECTION 09100

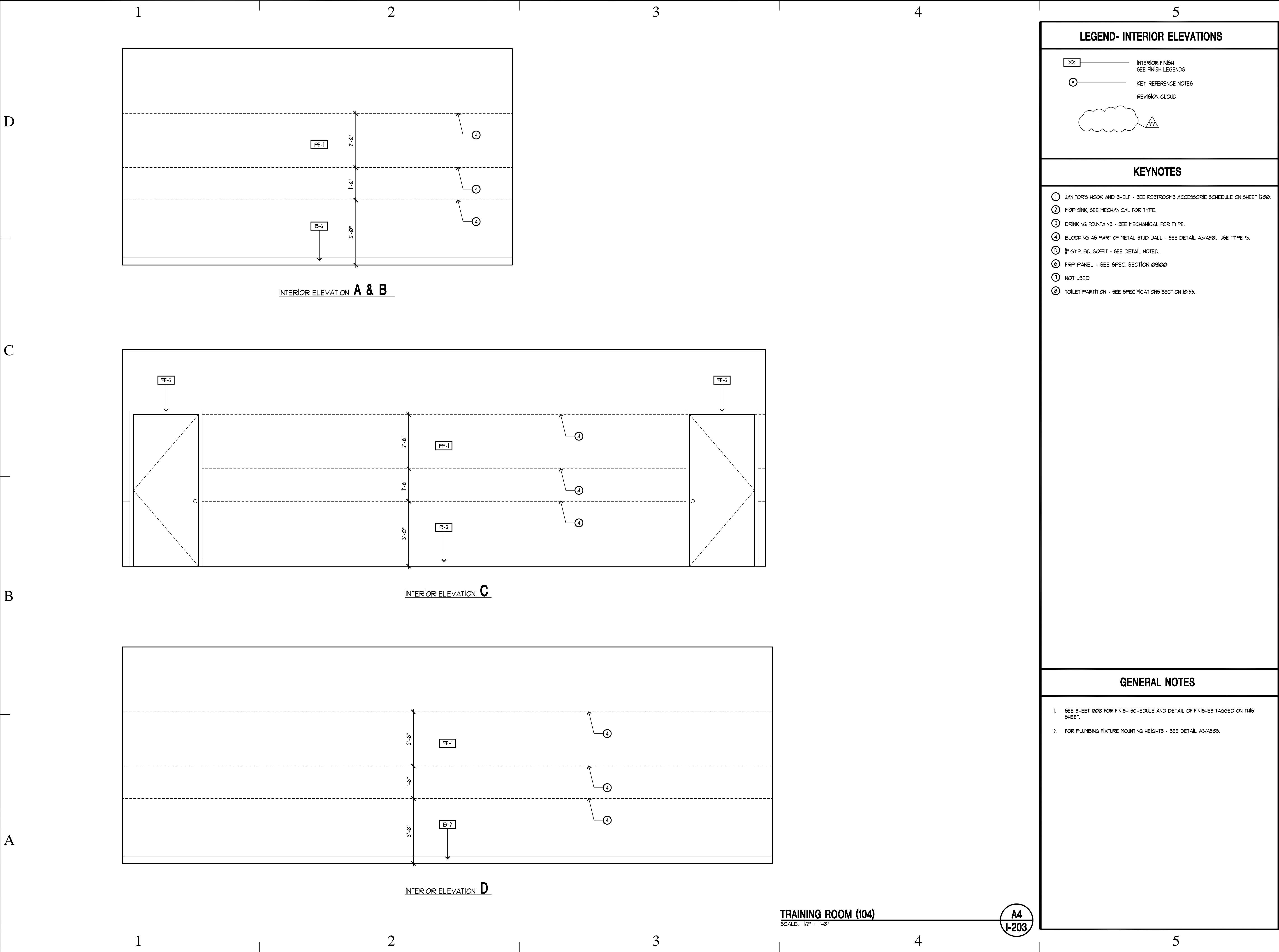
⑦ NOT USED

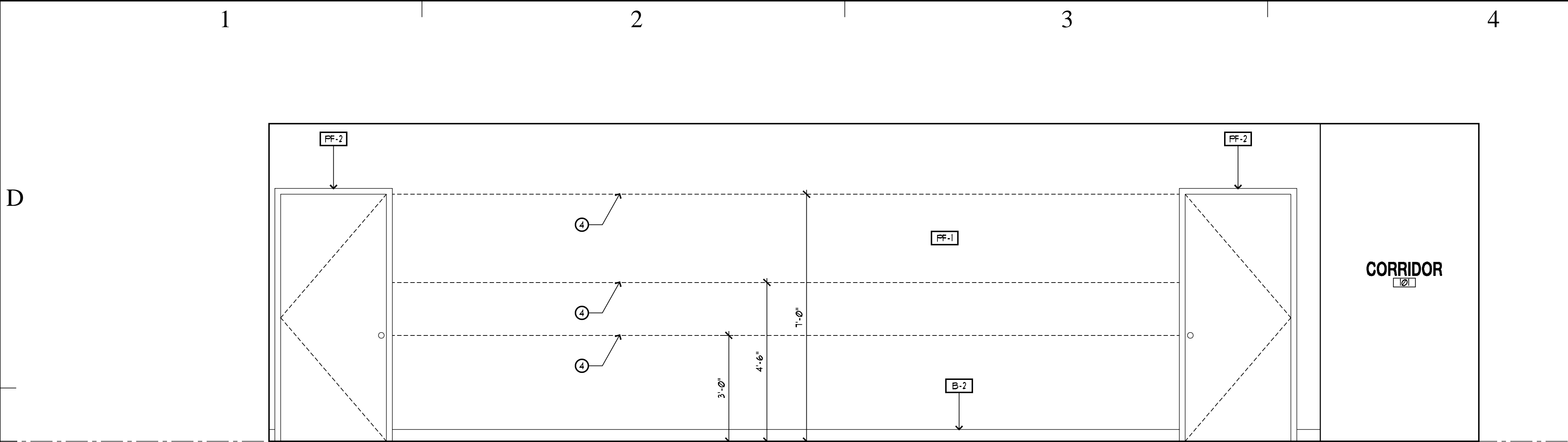
⑧ TOILET PARTITION - SEE SPECIFICATIONS SECTION 10155.

GENERAL NOTES

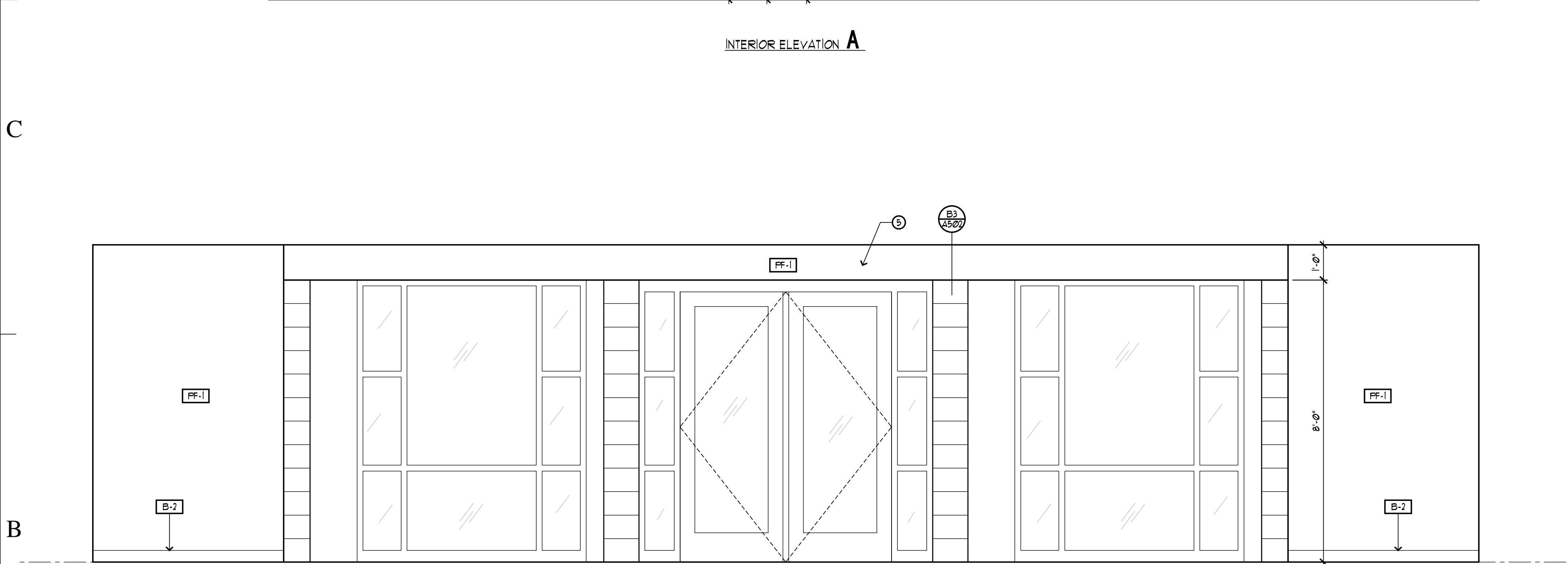
1. SEE SHEET 1200 FOR FINISH SCHEDULE AND DETAIL OF FINISHES TAGGED ON THIS SHEET.

2. FOR PLUMBING FIXTURE MOUNTING HEIGHTS - SEE DETAIL A3/A505.





INTERIOR ELEVATION **A**



INTERIOR ELEVATION **B**

CORRIDOR (101) ELEVATIONS
SCALE: 1/2" = 1'-0"

B4
I-204

LEGEND- INTERIOR ELEVATIONS

- XX ——— INTERIOR FINISH
SEE FINISH LEGENDS
- ① ——— KEY REFERENCE NOTES
- ☁️ ——— REVISION CLOUD

KEYNOTES

- ① JANITOR'S HOOK AND SHELF - SEE RESTROOM'S ACCESSORIE SCHEDULE ON SHEET 1200.
- ② MOP SINK, SEE MECHANICAL FOR TYPE.
- ③ DRINKING FOUNTAINS - SEE MECHANICAL FOR TYPE.
- ④ BLOCKING AS PART OF METAL STUD WALL - SEE DETAIL A3/A501. USE TYPE "B".
- ⑤ 1" GYP. BD. SOFFIT - SEE DETAIL NOTED.
- ⑥ FRP PANEL - SEE SPEC. SECTION 09100
- ⑦ NOT USED
- ⑧ TOILET PARTITION - SEE SPECIFICATIONS SECTION 10155.

GENERAL NOTES

1. SEE SHEET 1200 FOR FINISH SCHEDULE AND DETAIL OF FINISHES TAGGED ON THIS SHEET.
2. FOR PLUMBING FIXTURE MOUNTING HEIGHTS - SEE DETAIL A3/A505.

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

BUILDING NAME:

**UTAH NATIONAL
GUARD
JLTC**

PROJECT TITLE:

BUILDING #4

**CAMP WILLIAMS
DRAPER, UT**

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

CAD PROJECT NO: 0625

CAD DWG FILE:

DRAWN BY: CDJ

CHK'D BY: CJ

COPYRIGHT: STATE OF UTAH

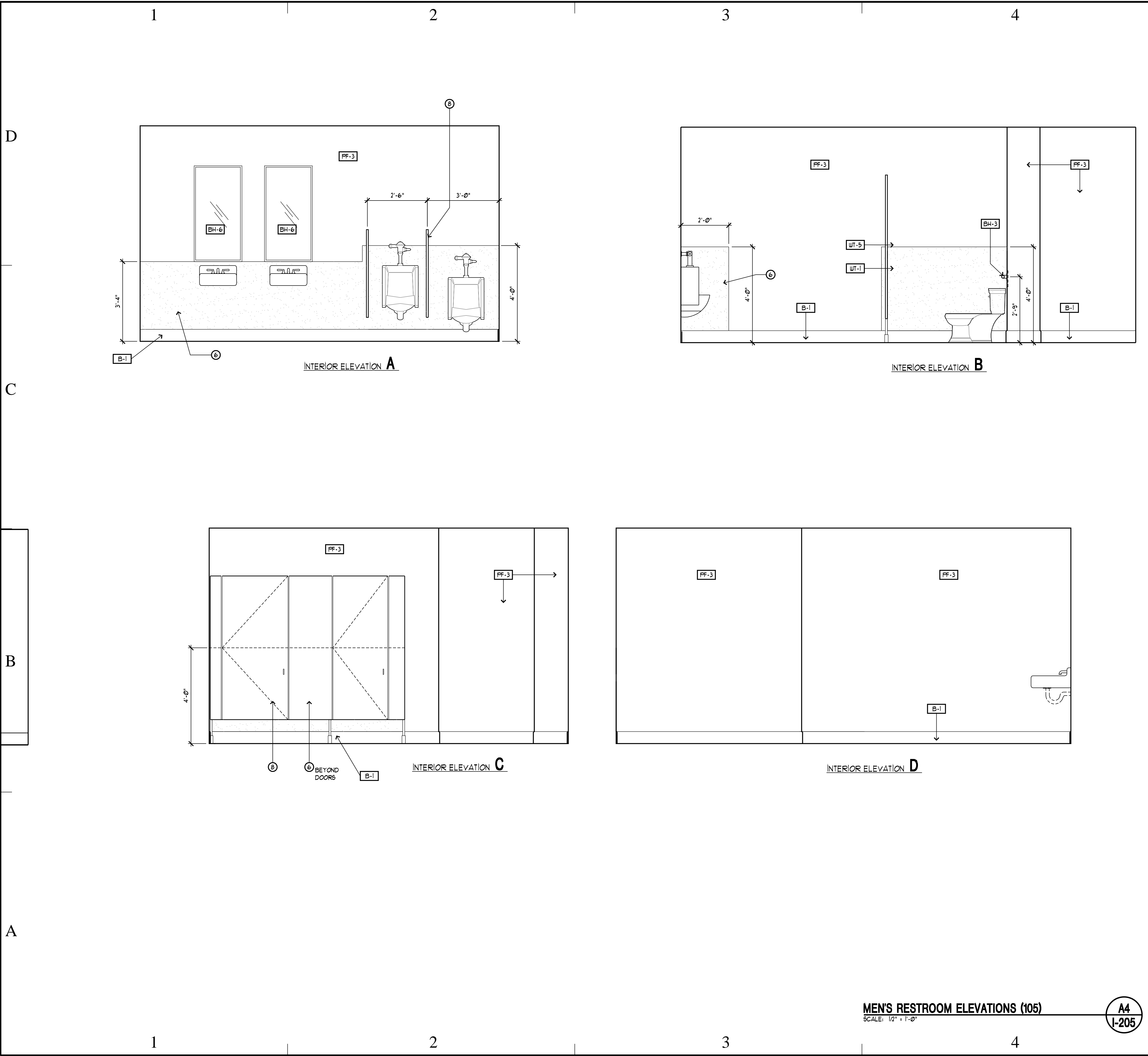
SHEET TITLE

**INTERIOR
ELEVATIONS**

SHEET NUMBER

I-2 04

SHEET 037 OF 057



| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

1

2

3

4

5

D

C

B

A

D

C

B

A

| PIPING LEGEND | | | | | | | | | | | |
|----------------------------------|----------|-------------------------------------|----------|------------------------------------|--|----------------------------------|--------|---------------------------|---------|---------------------------------|--|
| GATE VALVE | | CHILLED WATER SUPPLY | — CHS — | RETURN OR EXHAUST DUCT DOWN | | OS & Y PATTERN GATE VALVE | | CHILLED WATER RETURN | — CHR — | RETURN OR EXHAUST DUCT UP | |
| BALL VALVE | | CONDENSER WATER SUPPLY | — CWS — | SUPPLY AIR DUCT DOWN | | BUTTERFLY VALVE | | CONDENSER WATER RETURN | — CWR — | SUPPLY AIR DUCT UP | |
| MOTORIZED BUTTERFLY VALVE | | HEATING WATER SUPPLY | — HWS — | SPIN-IN FITTING W/MVD | | HEAT TRACING | | HEATING WATER RETURN | — HWR — | FLEXIBLE DUCT | |
| DE-IONIZED WATER | — DI — | WATER TREATMENT | — WT — | CEILING SLOT DIFFUSER | | CHECK VALVE | | FIRE DEPT. HORN & LIGHT | | CEILING DIFFUSER | |
| SOLENOID VALVE | | HOT GAS | — HG — | CEILING EXHAUST GRILLE | | AUTOMATIC CONTROL VALVE (2-WAY) | | CEILING GRILLE | | ACCESS PANEL | |
| AUTOMATIC CONTROL VALVE (3-WAY) | | REDUCED PRESSURE BACKFLOW PREVENTER | | MANUAL VOLUME DAMPER | | PRESSURE REDUCING VALVE | | MOTORIZED DAMPER | | FIRE DAMPER | |
| P & T RELIEF VALVE | | DIRECTION OF FLOW | | COMBINATION FIRE/SMOKE DAMPER | | AIR VENT (AUTOMATIC) | | THERMOSTAT OR TEMP SENSOR | | POINT OF CONNECTION TO EXISTING | |
| REFRIGERANT LIQUID | — RL — | ELBOW DOWN (DN) | | DETAIL TAG | | REFRIGERANT SUCTION | — RS — | KEYED NOTE | | SECTION CUT LINE | |
| THERMAL EXPANSION VALVE | | ELBOW UP | | DETAIL NO. DRAWING NO. | | THERMAL EXPANSION VALVE | | NOTE NO. | | | |
| STRAINER | | PIPE CAP | | SECTION NO. DRAWING NO. | | STRAINER | | | | | |
| CIRCUIT SETTER | | TEE DOWN | | CONTROL TRANSFORMER | | CIRCUIT SETTER | | | | | |
| FLOW METER | | UNION | | LOW PRESSURE DUCT W/ TURNING VANES | | FLOW METER | | | | | |
| PET COCK OR GAUGE COCK | | DOMESTIC COLD WATER | — — — — | | | PET COCK OR GAUGE COCK | | | | | |
| PRESSURE GAUGE W/GAUGE COCK | | DOMESTIC HOT WATER | — — — — | | | PRESSURE GAUGE W/GAUGE COCK | | | | | |
| THERMOMETER | | HOT WATER CIRC. | — — — — | | | THERMOMETER | | | | | |
| TEMPERATURE & PRESSURE TEST PLUG | | TEMPERED WATER | — — — — | | | TEMPERATURE & PRESSURE TEST PLUG | | | | | |
| IN-LINE PUMP | | SANITARY (PLBG) VENT | — — — — | | | IN-LINE PUMP | | | | | |
| FLOW SWITCH | | SANITARY SEWER ABOVE GRADE | — — — — | | | FLOW SWITCH | | | | | |
| AQUASTAT | | SANITARY SEWER BELOW GRADE | — — — — | | | AQUASTAT | | | | | |
| HOSE BIBB OR SILLCOCK | | DRAIN | — D — | | | HOSE BIBB OR SILLCOCK | | | | | |
| VACUUM | — V — | ROOF DRAIN PIPING | — RD — | | | VACUUM | | | | | |
| FLOOR DRAIN | | OVERFLOW DRAIN PIPING | — OD — | | | FLOOR DRAIN | | | | | |
| FLOOR SINK | | STORM DRAIN PIPING ABOVE GRADE | — SD — | | | FLOOR SINK | | | | | |
| HOT GAS BYPASS | — HGBP — | STORM DRAIN PIPING BELOW GRADE | — — SD — | | | HOT GAS BYPASS | | | | | |
| WALL CLEANOUT OR CLEANOUT | | FIRE SERVICE | — F — | | | WALL CLEANOUT OR CLEANOUT | | | | | |
| FLOOR OR GRADE CLEANOUT | | NATURAL GAS | — G — | | | FLOOR OR GRADE CLEANOUT | | | | | |
| GRADE CLEANOUT W/ CONCRETE PAD | | COMPRESSED AIR | — CA — | | | GRADE CLEANOUT W/ CONCRETE PAD | | | | | |
| | | VENT THROUGH ROOF | | | | | | | | | |
| | | STEAM | — S — | | | | | | | | |
| | | CONDENSATE | — C — | | | | | | | | |

| MECHANICAL LEGEND | | | | | | | | | | | |
|---|--|-------------------------|--|------------|--|------------------|--|---------------------|--|------------------------------------|--|
| RETURN OR EXHAUST DUCT DOWN | | DETAIL NO. DRAWING NO. | | KEYED NOTE | | SECTION CUT LINE | | CONTROL TRANSFORMER | | LOW PRESSURE DUCT W/ TURNING VANES | |
| RETURN OR EXHAUST DUCT UP | | NOTE NO. | | | | | | | | | |
| SUPPLY AIR DUCT DOWN | | SECTION NO. DRAWING NO. | | | | | | | | | |
| SUPPLY AIR DUCT UP | | | | | | | | | | | |
| SPIN-IN FITTING W/MVD | | | | | | | | | | | |
| FLEXIBLE DUCT | | | | | | | | | | | |
| CEILING SLOT DIFFUSER | | | | | | | | | | | |
| CEILING DIFFUSER | | | | | | | | | | | |
| CEILING EXHAUST GRILLE | | | | | | | | | | | |
| CEILING GRILLE | | | | | | | | | | | |
| ACCESS PANEL | | | | | | | | | | | |
| MANUAL VOLUME DAMPER | | | | | | | | | | | |
| MOTORIZED DAMPER | | | | | | | | | | | |
| FIRE DAMPER | | | | | | | | | | | |
| COMBINATION FIRE/SMOKE DAMPER | | | | | | | | | | | |
| THERMOSTAT OR TEMP SENSOR | | | | | | | | | | | |
| POINT OF CONNECTION TO EXISTING | | | | | | | | | | | |
| DETAIL TAG | | | | | | | | | | | |
| KEYED NOTE | | | | | | | | | | | |
| SECTION CUT LINE | | | | | | | | | | | |
| CONTROL TRANSFORMER | | | | | | | | | | | |
| LOW PRESSURE DUCT W/ TURNING VANES | | | | | | | | | | | |
| BALANCER TO TURN ALL SLOTS IN DIFFUSER FACING DIRECTION NOTED | | | | | | | | | | | |

GENERAL NOTES

- ⊕ INDICATES POINT OF CONNECTION OF NEW TO EXISTING MECHANICAL.
- (E) INDICATES EXISTING. (N) INDICATES NEW MATERIAL.
- COORDINATE ALL FIRE SPRINKLER, DIFFUSER AND GRILLE LOCATIONS WITH REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.
- THIS CONTRACTOR SHALL NOT SHUT-OFF/ PUT OUT OF SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNER'S PERSONAL.
- ALL RIGID ROUND DUCTWORK SHALL RECEIVE 1-1/2" - 2.0 LBS./CU.FT. FIBERGLASS DUCT WRAP. ALL RECTANGULAR DUCT SHALL RECEIVE 1" - 1.5 LBS./CU.FT. DUCT LINER, TRIM AND SEAL JOINTS W/ MYLAR LINING. LOW PRESSURE ROUND FLEXIBLE DUCT TO BE 1-1/2" THICK INSULATED AND A MAXIMUM OF 10 FT. LONG. ALL INSULATION TO MEET NFPA 90 PER UL 181-CLASS 1. MEDIUM PRESSURE FLEXIBLE DUCT TO BE INSULATED, RATED FOR 6" W.C. AND SHALL BE STRECHED OUT TO PREVENT ANY KINKS OR OFFSETS (3 FT. MAX. LENGTH).
- DUCTWORK AND PIPE ROUTING IS APPROXIMATE, DIAGRAMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF ALL WORK, THIS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
- THIS CONTRACTOR SHALL CLOSELY COORDINATE NEW MECHANICAL WITH ALL NEW AND EXISTING MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL MEMBERS.
- THIS CONTRACTOR SHALL FIELD VERIFY ALL MECHANICAL ITEMS PRIOR TO COMMENCING NEW WORK. NO ADDITIONAL COST WILL BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING MECHANICAL CONDITIONS.
- THIS CONTRACTOR SHALL USE SMACNA STANDARDS FOR HIGH PRESSURE DUCT CONSTRUCTION OF SUPPLY DUCTWORK UPSTREAM OF VAV BOX - SEAL CLASS "A". ALL OTHER DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS FOR LOW PRESSURE DUCT CONSTRUCTION - SEAL CLASS "B".
- ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH 2003 INTERNATIONAL BUILDING CODE, 2003 INTERNATIONAL FIRE CODE, 2003 INTERNATIONAL MECHANICAL CODE AND 2003 INTERNATIONAL PLUMBING CODE.
- THIS CONTRACTOR SHALL PROVIDE SUBMITTALS ON ITEMS LISTED IN MECHANICAL EQUIPMENT LIST TO THE ENGINEER FOR REVIEW PRIOR TO THE ORDER, PURCHASE OR INSTALLATION OF THESE SAME ITEMS.
- ALL VAV BOXES AND DIFFUSERS MUST BE BALANCED PER PLAN. PROVIDE BALANCE REPORT TO ENGINEER AND O&M.
- DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.

| INTAKE HOOD SCHEDULE IH-1 | | | | | |
|--|-----------------|--------------------------|-----|--------------|----------------------|
| PLAN CODE | AREA SERVED | MANUFACTURER & MODEL NO. | CFM | OPENING SIZE | ACCESSORIES |
| IH-1 | MECHANICAL ROOM | PENN #WCC10 | | 11"φ | PROVIDE FACTORY CURB |

| AIR DIFFUSER AND GRILLE SCHEDULE GRILLE NUMBER GRILLE CFM | | | | | | | | | |
|---|-------------------------------|--------------------|-----------|--------------|----------------|----------|---------|-------|--|
| PLAN CODE | MANUFACTURER & MODEL NO. | TYPE & DUTY | NECK SIZE | CEILING TYPE | N.C. LEVEL MAX | MAX. CFM | DAMPER | COLOR | COMMENTS |
| S-1 | AIR DIFFUSION PRODUCTS #DNR-3 | RADIAL SUPPLY | 14" | SEE PLANS | 25 | 540 | IN DUCT | WHITE | 24 X 24 MODULE |
| S-2 | PRICE PDMC | 2-WAY SUPPLY | - | SEE PLANS | 27 | 535 | IN DUCT | WHITE | 24 X 24 MODULE |
| S-3 | PRICE PDMC | 2-WAY SUPPLY | 10" | SEE PLANS | 24 | 273 | IN DUCT | WHITE | PERFORATED FACE 24 X 24 MODULE |
| S-4 | PRICE PDMC | 4-WAY SUPPLY | 10" | SEE PLANS | 25 | 118 | IN DUCT | WHITE | 12 X 12 MODULE PERFORATED FACE |
| S-5 | AIR DIFFUSION PRODUCTS #DNR-3 | RADIAL SUPPLY | 10" | SEE PLANS | 27 | 330 | IN DUCT | WHITE | 24 X 24 MODULE |
| S-6 | PRICE PDMC | 4-WAY SUPPLY | 10" | SEE PLANS | 24 | 273 | IN DUCT | WHITE | 16" X 16" MODULE |
| S-7 | CARNES #RSD8 | SUPPLY GRILLE | 6"x16" | - | 24 | 400 | IN DUCT | WHITE | SET FRONT BLADE AT 45° DOWN. MOUNT HIGH ON WALL. |
| R-1 | PRICE #PDDR | PERFORATED RETURN | 22"x22" | SEE PLANS | 26 | 2353 | - | WHITE | 24 X 24 MODULE |
| R-2 | PRICE #PDDR | PERFORATED EXHAUST | 12"φ | SEE PLANS | - | 545 | IN DUCT | WHITE | 20 X 20 MODULE |

| ELECTRIC WALL HEATER SCHEDULE EH- | | | | | | | | | | |
|-----------------------------------|------------|----------|--------------|-----------------|----------|------------|---------------|----------|--------------------------|--|
| PLAN CODE | ELECTRICAL | | | | | CFM (ALT.) | MOUNTING | EAT (°F) | MANUFACTURER & MODEL NO. | REMARKS |
| | TYPE | TOTAL KW | NO. OF STEPS | VOLTAGE & PHASE | FAN H.P. | | | | | |
| EH-1 | | 1.8 | 1 | 120/1 | - | | RECESSED WALL | | QMARK #CWH1201DS | COMPLETE WITH BUILT-IN DISCONNECT AND THERMOSTAT |

| ROOFTOP UNIT RTU-- | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|-------------|---------------------|-----------|-----------|-----------|--------|--------|------------------|------------|--------|-----|-------------|-----|-----|---------------------|---------------|--------------|------|---------------|------------|----|--------------------------|----------|--|--|
| PLAN CODE | MANUFACTURER/MODEL | CFM @ ELEV. | ESP (IN. WC @ S.L.) | S.F. H.P. | COOLING | | | | HEATING CAPACITY | | | | COMPRESSORS | | | CONDENSER FAN MOTOR | | POWER SUPPLY | | WEIGHT (LBS.) | SIZE (IN.) | | | COMMENTS | | |
| | | | | | TOTAL MBH | SENS. MBH | EAT °F | AMB °F | INPUT MBH | OUTPUT MBH | STAGES | NO. | FLA | LRA | NO. | HP | VOLTAGE/PHASE | MCA AMPS | L | | W | H | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RTU-1 | TRANE #YSC120A3RYA | 4000 | 0.50 | 3 | 103 | 103 | 79 | 100 | 166 | 135 | 1 | 2 | 18.6 | 128 | 1 | 3/4 | 208/3 | 56.2 | 1333 | 89 | 53 | 47 | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ | | | |
| RTU-2 | TRANE #YSC120A3RYA | 4300 | 0.50 | 3 | 104 | 104 | 78 | 100 | 166 | 135 | 1 | 2 | 18.6 | 128 | 1 | 3/4 | 208/3 | 56.2 | 1333 | 89 | 53 | 47 | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ | | | |
| RTU-3 | TRANE #YSC072A3RYA | 2330 | 0.50 | 1 | 62 | 62 | 80 | 100 | 100 | 81 | 1 | 1 | 19 | 156 | 1 | 3/4 | 208/3 | 32.7 | 1110 | 89 | 53 | 40 | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ | | | |
| RTU-4 | TRANE #YSC036A3RYA | 960 | 0.50 | 1 | 32 | 32 | 88 | 100 | 67 | 53 | 1 | 1 | 11.3 | 74 | 1 | 1/4 | 208/3 | 17.9 | 815 | 70 | 44 | 32 | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ | | | |

- ① 14" ROOF CURB ② FACTORY INSTALLED DISCONNECT, SINGLE POINT CONNECTION ③ FACTORY INSTALLED GFI OUTLET W/ STEP DOWN TRANSFORMER - 4 OUTLET ④ 2 - STAGE COOLING ⑤ 1 - STAGE COOLING ⑥ HOT GAS BYPASS ⑦ CARBON DIOXIDE DETECTOR INSTALLED ON RETURN AIR ⑧ MODULATING POWER EXHAUST AND ECONOMIZER ⑨ RETURN AIR SMOKE DETECTOR ⑩ 7-DAY PROGRAMMABLE THERMOSTAT ⑪ BELT DRIVE

| PACKAGED TERMINAL AIR CONDITIONER AC- | | | | | | | | | | | |
|--|-------------------------|---|-----------------|--------|--------------|-----------------|------------|------------------|----|---|-----------------|
| PLAN CODE | COOLING CAPACITY (BTUH) | HEATING CAPACITY (HEAT PUMP CYCLE) (BTUH) | VOLTAGE & PHASE | F.L.A. | CFM (INDOOR) | CFM VENTILATION | CONTROL | DIMENSIONS (IN.) | | | REMARKS |
| | | | | | | | | L | H | D | |
| AC-1 | 9000 | - | 115 | 8.8 | 270 | - | THERMOSTAT | 32 | 11 | 7 | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ |

- ① LOW AMBIENT CONTROL ② EQUIPMENT CURB FOR CONDENSER ③ THERMOSTAT ④ CONDENSER ⑤ MANUFACTURER RECOMMENDED REFRIGERANT PIPING ⑥ WHITE LATEX PAINT ON SUCTION LINE INSULATION ⑦ FUSED DISCONNECT ⑧ MAXIMUM FUSE SIZE - 15 AMPS

| EXHAUST FAN SCHEDULE EF- | | | | | | | | | | | | | | |
|--------------------------|---------------|------|-------------|------|---------|-------|-----------------|-----------|-------------|-------------------|--------------|----------------------|----------------------|------------------------|
| PLAN CODE | AREA SERVED | TYPE | CFM @ ELEV. | ESP | FAN RPM | MOTOR | | N.C. | DAMPER TYPE | METHOD OF CONTROL | OPENING SIZE | OPERATING WT. (LBS.) | MANUFACTURER / MODEL | COMMENTS |
| | | | | | | H.P. | VOLTAGE & PHASE | | | | | | | |
| EF-1 | RESTROOMS | DOME | 880 | 0.35 | 1715 | 1/8 | 120/1 | 7.6 SONES | BACKDRAFT | ① | 18 X 18 | - | COOK #120C100 | PROVIDE WITH ROOF CURB |
| EF-2 | ELECTRIC ROOM | DOME | 113 | 0.25 | 1700 | 0.050 | 120/1 | 4.8 SONES | BACKDRAFT | THERMOSTAT | 13 X 13 | - | COOK #70C15DL | PROVIDE WITH ROOF CURB |

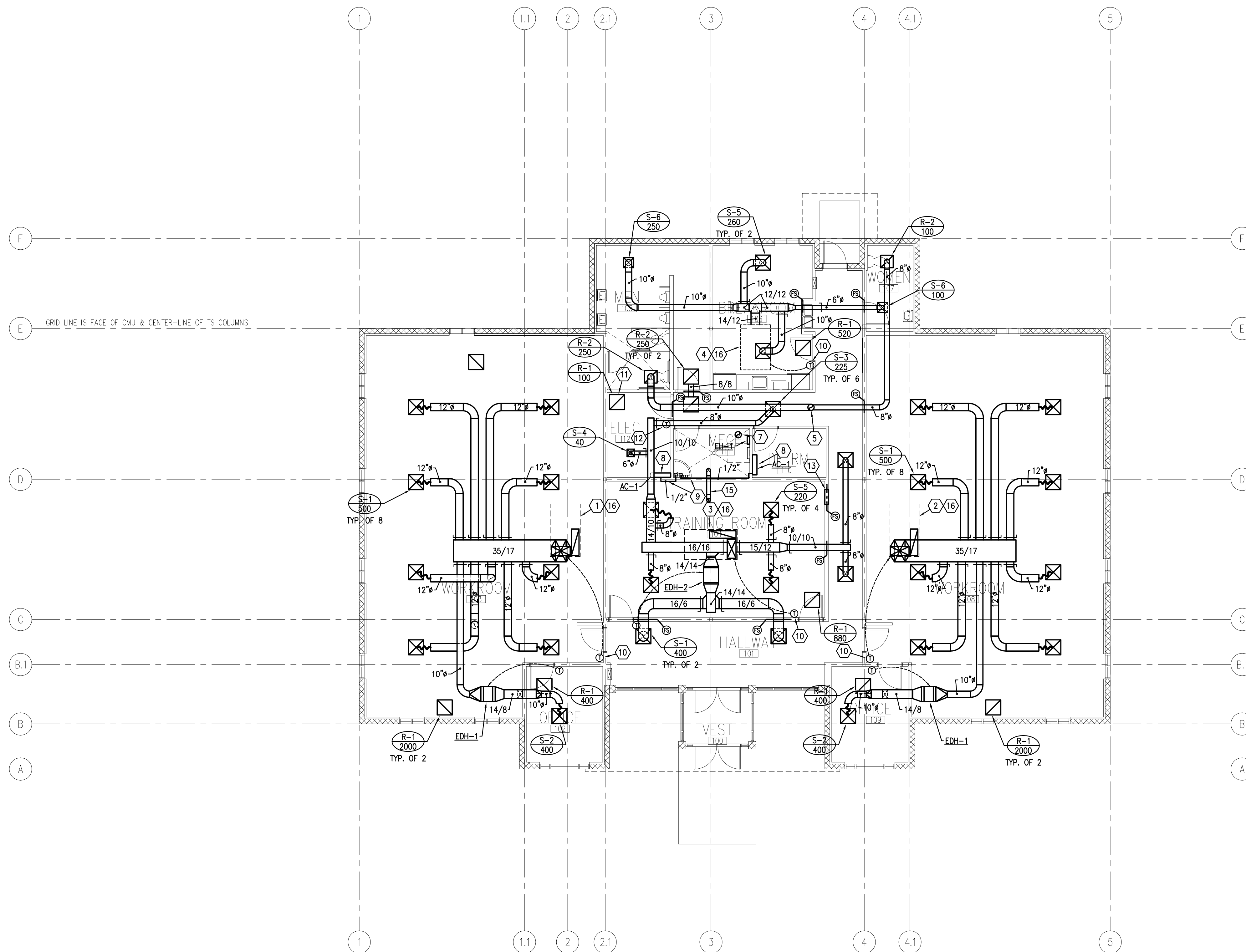
- ① INTERLOCK FAN WITH LIGHT SWITCHES

| ELECTRIC RE-HEAT COIL SCHEDULE EDH- | | | | | | | | | | |
|--|------------------|-------------|------|------------|--------------|----------------|------------|--------------|---------------------------------|-------------------|
| PLAN CODE | AREA/UNIT SERVED | CFM @ ELEV. | MBH | F.V. (FPM) | AIR SIDE | | ELECTRICAL | | COIL FACE DIMENSION (HxW) (IN.) | ROWS/ FINS PER IN |
| | | | | | EAT/LAT (°F) | AIR P.D. (IN.) | KW | NO. OF STOPS | | |
| EDH-1 | OFFICE 102 & 110 | 400 | 5.1 | | 55/70 | | 1.5 | 1 | 120/1 | --- |
| EDH-2 | LOBBY 101 | 800 | 10.2 | | 55/90 | | 3.0 | 2 | 208/1 | --- |

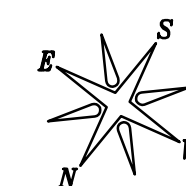
COMPLETE WITH SAFETY FLOW SWITCH, FUSED DISCONNECT, THERMOSTAT

Copyright (C) 2005 by PVE, Inc. Salt Lake City, Utah. All rights reserved. Unauthorized copying and/or use is illegal and subject to prosecution.

File name: M:\PROJECTS\2004\04045.06\DRAWINGS\M201.DWG Last edited: 04/10/2006 @ 11:30



1 MECHANICAL FLOOR PLAN
M201 SCALE: 1/8" = 1' - 0" 6' 0 4' 8' 12' 16'



90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801. 733. 2500 fax 801. 733. 2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.

CHK'D BY: A.D.S.

COPYRIGHT: STATE OF UTAH

SHEET TITLE

MECHANICAL
FLOOR PLAN

SHEET NUMBER

M-201

SHEET 013 OF 055

Copyright (C) 2005 by PVE, Inc. Salt Lake City, Utah. All rights reserved. Unauthorized copying and/or use is illegal and subject to prosecution.

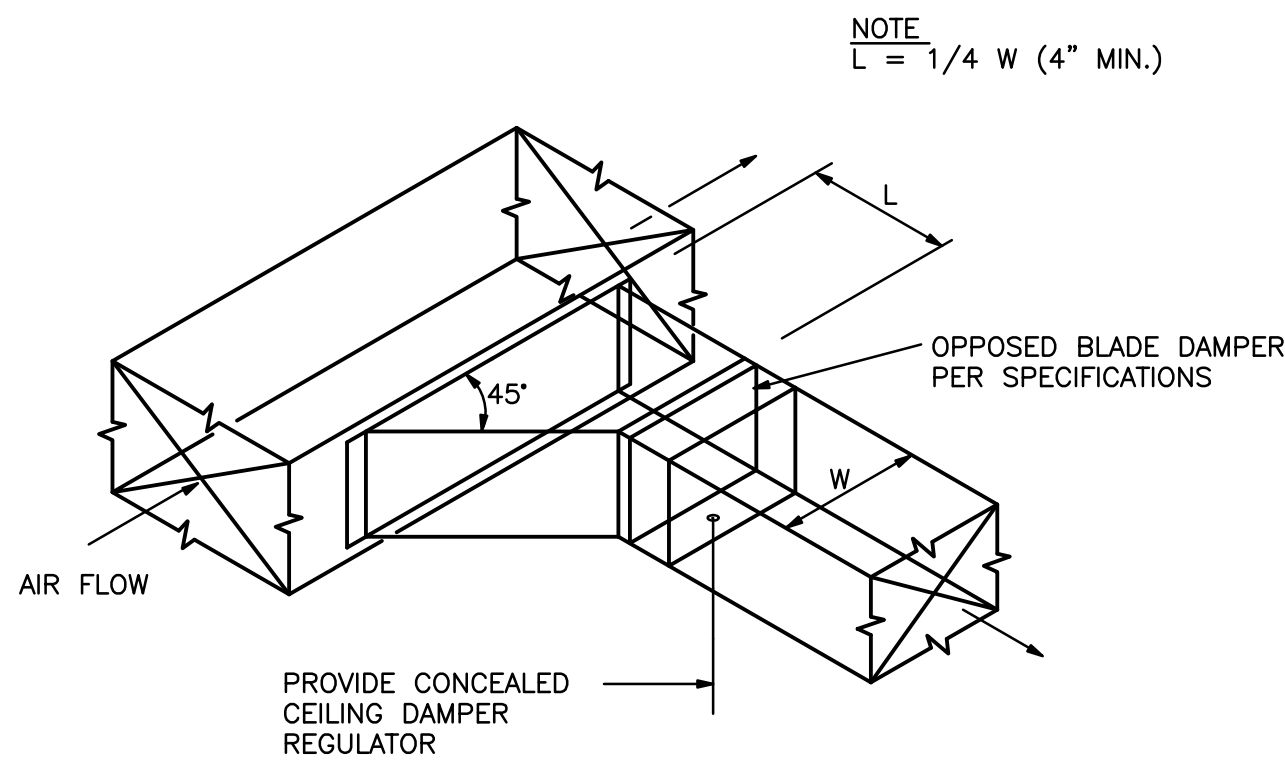
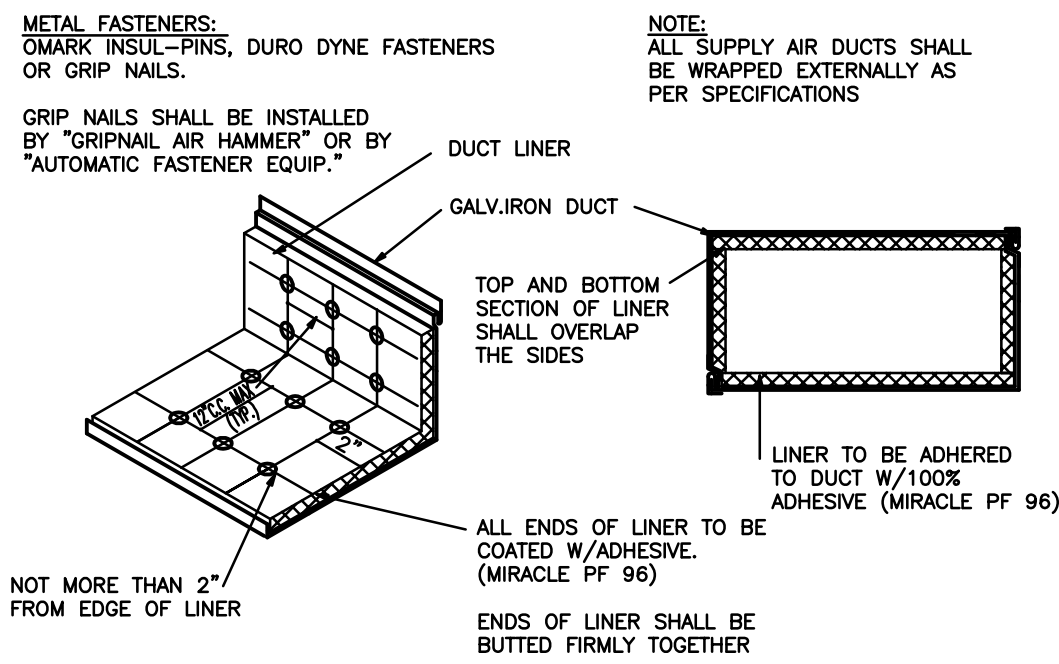
File name: \\N:\PROJECTS\2004\04045.06\DRAWINGS\M601.DWG Last edited: 04/18/2006 @ 11:14

D

C

B

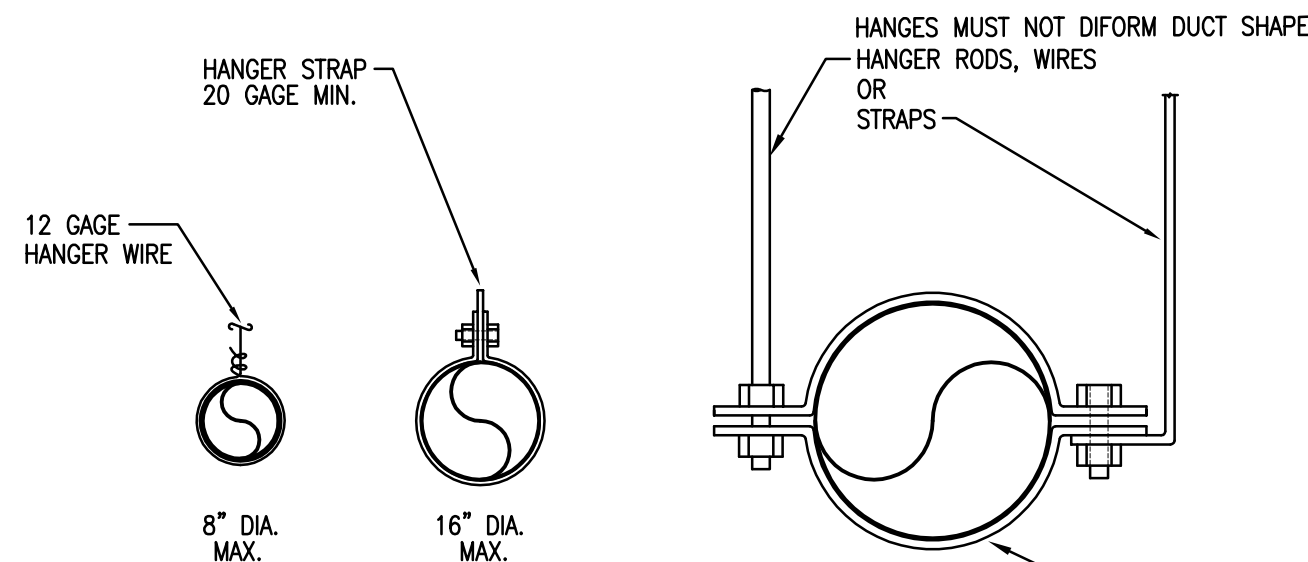
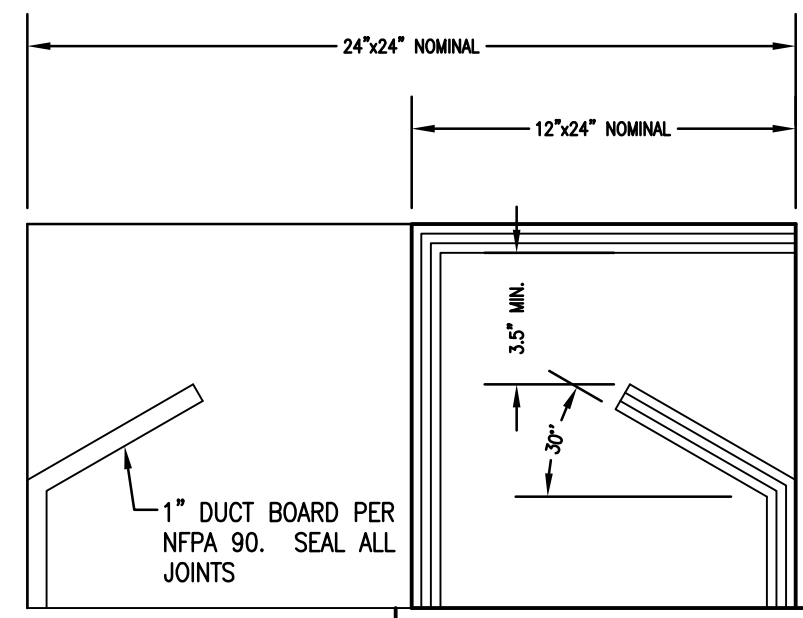
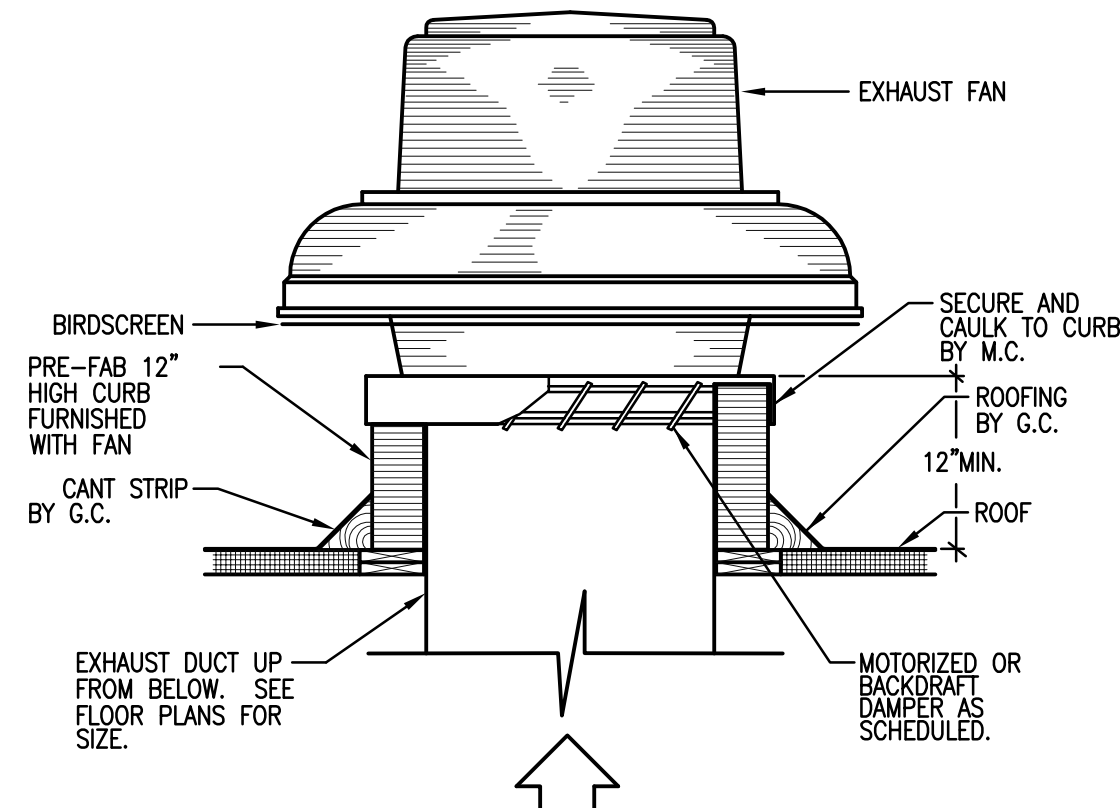
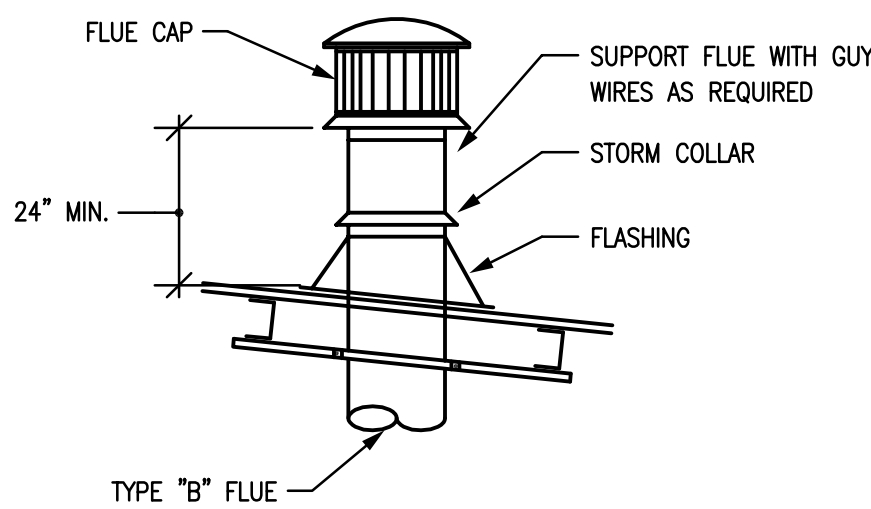
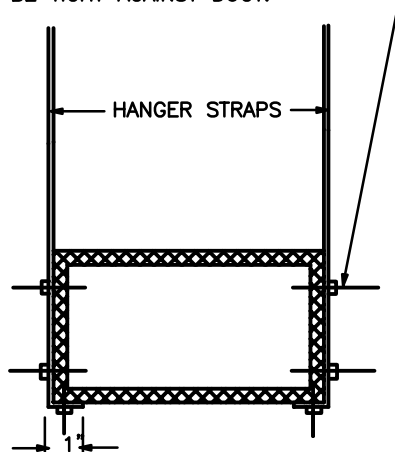
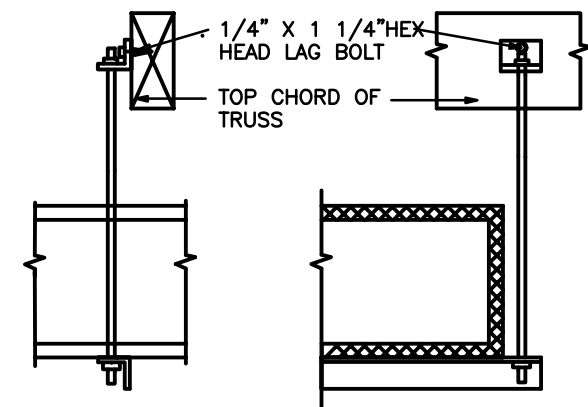
A



| DIMENSION OF LONGEST SIDE, INCHES | SHEET METAL GAGE (ALL FOUR SIDES) | MINIMUM REINFORCING ANGLE SIZE & MAXIMUM LONGITUDINAL SPACING BETWEEN JOINTS &/OR INTERMEDIATE REINFORCING | TRANSVERSE REINFORCING ① | | | | | | | | | |
|--|--|---|---|--|---|---|---|---|---------------------------------------|--|--|--|
| | | | AT JOINTS | | | | | | | | | |
| | | | DRIVE SLP PLAN 15 SLP RECOM- MENDED GAGE | HEWED S SLP RECOM- MENDED GAGE | ALBERT BAR SLP RECOM- MENDED GAGE | REINFOR. BAR SLP RECOM- MENDED GAGE | REINFOR. BAR SLP RECOM- MENDED GAGE | REINFOR. BAR SLP RECOM- MENDED GAGE | ANGLE SLP RECOM- MENDED GAGE | STAND. SEAM ANGLE REINFOR. STAND. SEAM ANGLE SIZE | POCKET LOCK ANGLE REINFOR. POCKET LOCK ANGLE SIZE | POCKET LOCK ANGLE REINFOR. POCKET LOCK ANGLE SIZE |
| UP THRU 12 | 26 | NONE REQ. | 1 | 26 | 26 | 24 | 24 | 24 | 24 | NOT REQ. | 24 | NOT REQ. |
| 13 - 18 | 24 | NONE REQ. | 1 | 24 | 24 | 24 | 24 | 24 | 24 | NOT REQ. | 24 | NOT REQ. |
| 19 - 30 | 24 | 1X1X1/8 @ 60" | 1 | - | 24 | 24 | 24 | 24 | 24 | NOT REQ. | 24 | NOT REQ. |
| 31 - 42 | 22 | 1X1X1/8 @ 60" | 1 | - | - | 22 | 22 | 22 | 22 | NOT REQ. | 22 | NOT REQ. |
| 43 - 54 | 22 | 1.5X1.5X1/8@60" | 1 1/2 | - | - | 22 | 22 | 22 | 22 | 1.5X1.5X1/8 | 22 | NOT REQ. |
| 55 - 60 | 20 | 1.5X1.5X1/8@60" | 1 1/2 | - | - | - | 22 | 22 | 22 | 1.5X1.5X1/8 | 22 | NOT REQ. |
| 61 - 84 | 20 | 1.5X1.5X1/8@60" | 1 1/2 | - | - | - | 22 | 22 | 22 | 1.5X1.5X1/8 | 22 | 1.5X1.5X1/8 |

① TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF
SIDE TO WHICH ANGLE IS APPLIED

| HANGER SIZES FOR RECTANGULAR DUCT | | | |
|--------------------------------------|-----------------|--------------------------------|--------------------|
| MAX. SIDE | HANGER | HORIZONTAL SUPPORT ANGLE | MAXIMUM SPACING |
| 30" | 7/8" GAGE STRIP | NONE REQUIRED | 8'-0" |
| 36" | 1" GAGE ROD | 1 1/2" x 1 1/2" x 1/8" | 8'-0" |
| 48" | 1 1/2" GAGE ROD | 2" x 2" x 1/8" | 8'-0" |
| 60" | 2" GAGE ROD | 2 1/2" x 2 1/2" x 1/8" | 8'-0" |
| 84" | 2 1/2" GAGE ROD | 3" x 3" x 1/8" | 8'-0" |



REFERENCE:
LATEST EDITION OF SMACNA HVAC DUCT
CONSTRUCTION STANDARDS
LOWER HANGER ATTACHMENTS FIGURE

| MINIMUM HANGER SIZE FOR ROUND DUCT | | | |
|------------------------------------|--------------------|----------------------------|----------|
| DIAMETER | MAXIMUM SPACING | WIRE DIA. | ROD |
| 10" DN | 12' | ONE 12 Ga. | 1/4" |
| 11"-18" | 12' | TWO 12 Ga. OR ONE 8 Ga. | 1/4" |
| 19"-24" | 12' | TWO 10 Ga. | 1/4" |
| 25"-36" | 12' | TWO 8 Ga. | 3/8" |
| 37"-50" | 12' | N/A | TWO 3/8" |
| 51"-60" | 12' | N/A | TWO 3/8" |
| 61"-84" | 12' | N/A | TWO 3/8" |



90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN
INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC
REPRESENTATION & MODELS THEREOF, ARE
PROPRIETARY & CAN NOT BE COPIED,
DUPLICATED, OR COMMERCIALY EXPLOITED IN
WHOLE OR IN PART WITHOUT THE SOLE AND
EXPRESS WRITTEN PERMISSION FROM THE STATE
OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED
REVIEW AND EVALUATION BY CLIENTS,
CONSULTANTS, CONTRACTORS, GOVERNMENT
AGENCIES, VENDORS, AND OFFICE PERSONNEL
ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.
CHK'D BY: A.D.S.
COPYRIGHT: STATE OF UTAH

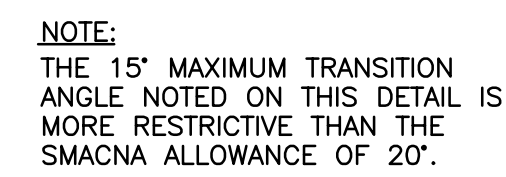
SHEET TITLE

SCHEDULE
SHEET

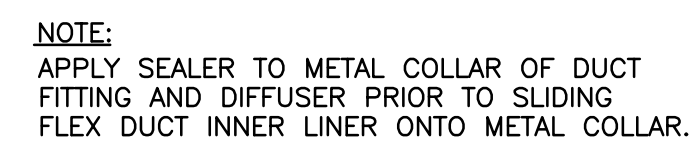
SHEET NUMBER

M-601

SHEET 013 OF 055



NO SCALE



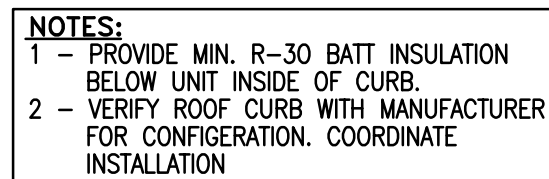
M602



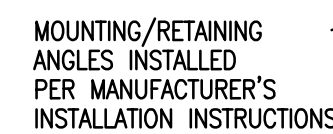
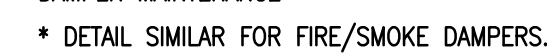
M602



M602



M602



6

D

C

B

A

| PIPING LEGEND | | | |
|----------------------------------|----------|-------------------------------------|---------|
| GATE VALVE | | CHILLED WATER SUPPLY | — CHS — |
| OS & Y PATTERN GATE VALVE | | CHILLED WATER RETURN | — CHR — |
| BALL VALVE | | CONDENSER WATER SUPPLY | — CWS — |
| BUTTERFLY VALVE | | CONDENSER WATER RETURN | — CWR — |
| MOTORIZED BUTTERFLY VALVE | | HEATING WATER SUPPLY | — HWS — |
| HEAT TRACING | | HEATING WATER RETURN | — HWR — |
| DE-IONIZED WATER | — DI — | WATER TREATMENT | — WT — |
| CHECK VALVE | | FIRE DEPT. HORN & LIGHT | |
| SOLENOID VALVE | | HOT GAS | — HG — |
| AUTOMATIC CONTROL VALVE (2-WAY) | | FLEXIBLE PIPE CONNECTION | |
| AUTOMATIC CONTROL VALVE (3-WAY) | | REDUCED PRESSURE BACKFLOW PREVENTER | |
| PRESSURE REDUCING VALVE | | DIRECTION OF FLOW | |
| P & T RELIEF VALVE | | ELBOW DOWN (DN) | |
| AIR VENT (AUTOMATIC) | | ELBOW UP | |
| REFRIGERANT LIQUID | — RL — | PIPE CAP | |
| REFRIGERANT SUCTION | — RS — | TEE DOWN | |
| THERMAL EXPANSION VALVE | | UNION | |
| STRAINER | | DOMESTIC COLD WATER | — — — — |
| CIRCUIT SETTER | | DOMESTIC HOT WATER | — — — — |
| FLOW METER | | HOT WATER CIRC. | — — — — |
| PET COCK OR GAUGE COCK | | TEMPERED WATER | — T — |
| PRESSURE GAUGE W/GAUGE COCK | | SANITARY (PLBG) VENT | — — — — |
| THERMOMETER | | SANITARY SEWER ABOVE GRADE | — — — — |
| TEMPERATURE & PRESSURE TEST PLUG | | SANITARY SEWER BELOW GRADE | — — — — |
| IN-LINE PUMP | | DRAIN | — D — |
| FLOW SWITCH | | ROOF DRAIN PIPING | — RD — |
| AQUASTAT | | OVERFLOW DRAIN PIPING | — OD — |
| HOSE BIBB OR SILLCOCK | | STORM DRAIN PIPING ABOVE GRADE | — SD — |
| VACUUM | — V — | STORM DRAIN PIPING BELOW GRADE | — SD — |
| FLOOR DRAIN | | FIRE SERVICE | — F — |
| FLOOR SINK | | NATURAL GAS | — G — |
| HOT GAS BYPASS | — HGBP — | COMPRESSED AIR | — CA — |
| WALL CLEANOUT OR CLEANOUT | | VENT THROUGH ROOF | |
| FLOOR OR GRADE CLEANOUT | | STEAM | — S — |
| GRADE CLEANOUT W/ CONCRETE PAD | | CONDENSATE | — C — |

| MECHANICAL LEGEND | |
|---|--|
| RETURN OR EXHAUST DUCT DOWN | |
| RETURN OR EXHAUST DUCT UP | |
| SUPPLY AIR DUCT DOWN | |
| SUPPLY AIR DUCT UP | |
| SPIN-IN FITTING W/MVD | |
| FLEXIBLE DUCT | |
| CEILING SLOT DIFFUSER | |
| CEILING DIFFUSER | |
| CEILING EXHAUST GRILLE | |
| CEILING GRILLE | |
| ACCESS PANEL | |
| MANUAL VOLUME DAMPER | |
| MOTORIZED DAMPER | |
| FIRE DAMPER | |
| COMBINATION FIRE/SMOKE DAMPER | |
| THERMOSTAT OR TEMP SENSOR | |
| POINT OF CONNECTION TO EXISTING | |
| DETAIL TAG | |
| KEYED NOTE | |
| SECTION CUT LINE | |
| CONTROL TRANSFORMER | |
| LOW PRESSURE DUCT W/ TURNING VANES | |
| BALANCER TO TURN ALL SLOTS IN DIFFUSER FACING DIRECTION NOTED | |

GENERAL NOTES

- INDICATES POINT OF CONNECTION OF NEW TO EXISTING MECHANICAL.
- (E) INDICATES EXISTING. (N) INDICATES NEW MATERIAL.
- COORDINATE ALL FIRE SPRINKLER, DIFFUSER AND GRILLE LOCATIONS WITH REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.
- THIS CONTRACTOR SHALL NOT SHUT-OFF/ PUT OUT OF SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNER'S PERSONAL.
- ALL RIGID ROUND DUCTWORK SHALL RECEIVE 1-1/2" - 2.0 LBS/CU.FT. FIBERGLASS DUCT WRAP. ALL RECTANGULAR DUCT SHALL RECEIVE 1" - 1.5 LBS/CU.FT. DUCT LINER, TRIM AND SEAL JOINTS W/ MYLAR LINING. LOW PRESSURE ROUND FLEXIBLE DUCT TO BE 1-1/2" THICK INSULATED AND A MAXIMUM OF 10 FT. LONG. ALL INSULATION TO MEET NFPA 90 PER UL 181-CLASS 1. MEDIUM PRESSURE FLEXIBLE DUCT TO BE INSULATED, RATED FOR 6" W.C. AND SHALL BE STRECHED OUT TO PREVENT ANY KINKS OR OFFSETS (3 FT. MAX. LENGTH).
- DUCTWORK AND PIPE ROUTING IS APPROXIMATE, DIAGRAMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF ALL WORK, THIS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
- THIS CONTRACTOR SHALL CLOSELY COORDINATE NEW MECHANICAL WITH ALL NEW AND EXISTING MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL MEMBERS.
- THIS CONTRACTOR SHALL FIELD VERIFY ALL MECHANICAL ITEMS PRIOR TO COMMENCING NEW WORK. NO ADDITIONAL COST WILL BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING MECHANICAL CONDITIONS.
- THIS CONTRACTOR SHALL USE SMACNA STANDARDS FOR HIGH PRESSURE DUCT CONSTRUCTION OF SUPPLY DUCTWORK UPSTREAM OF VAV BOX - SEAL CLASS "A". ALL OTHER DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS FOR LOW PRESSURE DUCT CONSTRUCTION - SEAL CLASS "B".
- ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH 2003 INTERNATIONAL BUILDING CODE, 2003 INTERNATIONAL FIRE CODE, 2003 INTERNATIONAL MECHANICAL CODE AND 2003 INTERNATIONAL PLUMBING CODE.
- THIS CONTRACTOR SHALL PROVIDE SUBMITTALS ON ITEMS LISTED IN MECHANICAL EQUIPMENT LIST TO THE ENGINEER FOR REVIEW PRIOR TO THE ORDER, PURCHASE OR INSTALLATION OF THESE SAME ITEMS.
- ALL VAV BOXES AND DIFFUSERS MUST BE BALANCED PER PLAN. PROVIDE BALANCE REPORT TO ENGINEER AND O&M.
- DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.

| CIRCULATION PUMP SCHEDULE CP- | | | | | | | |
|--|--------------------------------|-----|--------------|----------|-------|-----------------|---|
| PLAN CODE | DUTY | GPM | FEET OF HEAD | PUMP RPM | MOTOR | | COMMENTS |
| | | | | | H.P. | VOLTAGE & PHASE | |
| CP-1 | DOMESTIC HOT WATER CIRCULATION | 1 | 5 | 3250 | 1/40 | 120/1 | TACO MODEL 006 PNP STAINLESS STEEL CARTRIDGE |

| GAS FIRED WATER HEATER SCHEDULE | | | | | | | | | | | | | | WH- | |
|---|--------------|---------------|--------------|------|------------|---------------------|-----------------|-----------|-----------|----------------|--------------|-----------------|----------------------------|----------------------|--|
| PLAN CODE | INPUT (BTUH) | OUTPUT (BTUH) | EFFICIENCY % | FUEL | CAP. (GAL) | RECOVERY RATE (GPH) | TEMP. RISE (°F) | FLUE DIA. | FLUE TYPE | DIMENSIONS | | VOLTAGE & PHASE | MANUFACTURER & MODEL NO. | ACCESSORIES/COMMENTS | |
| | | | | | | | | | | DIAMETER (in.) | HEIGHT (in.) | | | | |
| WH-1 | 40,000 | | 80 | NG | 40 | 73 | 90 | 4" | TYPE B | 20 | 51 | | BRADFORD WHITE #M-1-40356N | ①②③④ | |
| ① OUTLET THERMOMETER ② PRESSURE TEMPERATURE VALVE ③ SEDIMENT REDUCTION SYSTEM ④ INSTALL PER MANUFACTURER RECOMMENDATIONS | | | | | | | | | | | | | | | |

| PLUMBING FIXTURE CONNECTION SCHEDULE | | | | | | |
|--------------------------------------|-----------------------------|-----------------|------|-----------|--------|---|
| PLAN CODE | DESCRIPTION | CONNECTION SIZE | | | | SPECIFICATIONS |
| | | C.W. | H.W. | WASTE | VENT | |
| WC-1 | WATER CLOSET | 1/2" | -- | 3" | 2" | KOHLER K-3505 "WELLWORTH" VITREOUS CHINA, 1.4 GPF, FLOOR MOUNTED PRESSURE ASSISTED TANK TOILET. PROVIDE WITH K-4666-CA ELONGATED OPEN FRONT TOILET SEAT. |
| WC-2 | WATER CLOSET (HANDICAP) | 1/2" | -- | 3" | 2" | KOHLER K-3493 "HIGHLINE", ADA COMPLIANT, VITREOUS CHINA, 1.4 GPF, FLOOR MOUNTED PRESSURE ASSISTED TANK TOILET. PROVIDE WITH K-4666-CA ELONGATED OPEN FRONT TOILET SEAT. |
| U-1 | URINAL | 3/4" | -- | 2" | 2" | KOHLER K-4972-T, "STANWELL", ADA COMPLIANT, VITREOUS CHINA, 1 1/2" TOP SPUD. 1.0 GPF. WALL MOUNTED, SLOAN #8180 G2 OPTIMA PLUS FLUSH VALVE. FLUSH VALVE TO HAVE MANUAL OVERRIDE. MOUNT URINAL AT 17" AFF |
| L-1 | WALL HUNG LAVATORY | 1/2" | 1/2" | 1-1/2" | 1-1/2" | KOHLER WHITE K-2005 "KINGSTONE", WALL HUNG VITREOUS CHINA, WITH 4" FAUCET CENTERS, K-7605 ANGLE SUPPLIES WITH STOPS, K-8998 1-1/2" CAST BRASS P-TRAP, POP-UP DRAIN. FAUCET TO BE MOEN SINGLE-LEVER "VILLETA" #L4701 WITH CHROME GRID DRAIN. PROVIDE MCGUIRE PRO-WRAP INSULATION ON P-TRAP AND SUPPLIES. |
| S-1 | KITCHEN SINK | 1/2" | 1/2" | 2" | 2" | "JUST" 18 GA. STAINLESS STEEL SINK. 18"x32" OUTSIDE DIMENSIONS; 7/8" DEEP. TYPE 304 STAINLESS, SOUND DEADENED. "JUST" J-901 DECK MOUNTED SINGLE LEVER WASHERLESS MIXING FAUCET WITH ESCUTCHEON AND 8" SPOUT WITH AERATOR. "JUST" J-35-316 STAINLESS STEEL CRUMB CUP STRAINERS WITH REMOVABLE BASKET; FLEXIBLE CHROME PLATED SUPPLIES WITH STOPS, CAST BRASS P-TRAPS WITH CLEANOUT PLUG. DISPOSAL - STAINLESS STEEL INTERNAL CONSTRUCTION, AUTOMATIC REVERSING ACTION, QUICK-LOOK MOUNTING, PERMANENTLY LUBRICATED BEARINGS, DISHWASHER DRAIN CONNECTION, OVERLOAD PROTECTION W/MANUAL RESET. 1/2 HP |
| S-2 | MOP SINK | 1/2" | 1/2" | 3" | 2" | KOHLER #K-6710, 28"x28" ENAMELED CAST IRON FLOOR MOUNTED CORNER MODEL K-9146-3 3" DRAIN W/STRAINER AND SOCKET, # K-8940 REMOVABLE VINYL COATED GUARD. K-8940 FAUCET W/VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 5' RUBBER HOSE AND WALL HOOK. |
| FD-1 | FLOOR DRAIN | -- | -- | SEE PLANS | 2" | JOSAM 2" FLOOR DRAIN, #3000-5A, STAINLESS STEEL OR NICKEL BRONZE STRAINER. ADJUSTABLE STRAINER, TRAP PRIMER, PROVIDE PRO-SET TRAP GUARD. PROVIDE SQUARE STRAINER FOR MENS SHOWER ROOM. |
| RD-1 | ROOF DRAIN | -- | -- | 4" | -- | JR SMITH #1010 W/FLASING CLAMP, UNDER DECK CLAMP, CAST IRON DOME, INSULATE BOTTOM OF ROOF DRAIN BOWL AND DRAIN PIPE. |
| OD-1 | OVER FLOW ROOF DRAIN | -- | -- | 4" | -- | JR SMITH #1080 W/FLASING CLAMP, UNDER DECK CLAMP, CAST IRON DOME, 2 1/2" WATER DAM, INSULATE BOTTOM OF ROOF DRAIN BOWL AND DRAIN PIPE. |
| DSN-1 | OVER FLOW ROOF DRAIN NOZZLE | -- | -- | 4" | -- | JR SMITH #1770-PB DOWNSPOUT NOZZLE. |
| HB-1 | HOSE BIBB | 1/2" | -- | -- | -- | JRSMITH #5519, COMPLETE WITH STAINLESS STEEL FLUSH MOUNTED BOX, NON-FREEZE VALVE AND VACUUM BREAKER, 1/4 TURN HYDRANT. |
| DF-1 | DRINKING FOUNTAIN | 1/2" | -- | 1 1/2" | 1 1/2" | HAWS #HWBF48L, HI-LO BARRIER FREE. 7.7 GPH, 115 VOLT, R134A REFRIGERANT, CHROME PLATED BRASS BUBBLE HEAD, SELF-LUBRICATING FAN MOTOR. PUSH DOWN BARS TO ACTIVATE WATER DELIVERY, ADA COMPLIANT. BRUSHED STERLING VINYL FINISH. WATER TEMPERATURE 50°F. |
| TP-1 | TRAP PRIMER | 1/2" | -- | -- | -- | MIFAB M-500, PRESSURE DROP ACTIVATED TRAP SEAL PRIMER, W/MIFAB MI-GAP DISTRIBUTION UNIT. PROVIDE ACCESS DOOR TO TRAP PRIMER. |
| SA-1 | SHOCK ABSORBER | 1/2" | -- | -- | -- | JOSAM #75000 SERIES, STAINLESS STEEL, SEE PLANS FOR SIZE. PROVIDE ACCESS DOOR. SEE ARCHITECT FOR COLOR OF DOOR. |



90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

jsa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

D

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

C

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

B

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.

CHK'D BY: A.D.S.

COPYRIGHT: STATE OF UTAH

SHEET TITLE

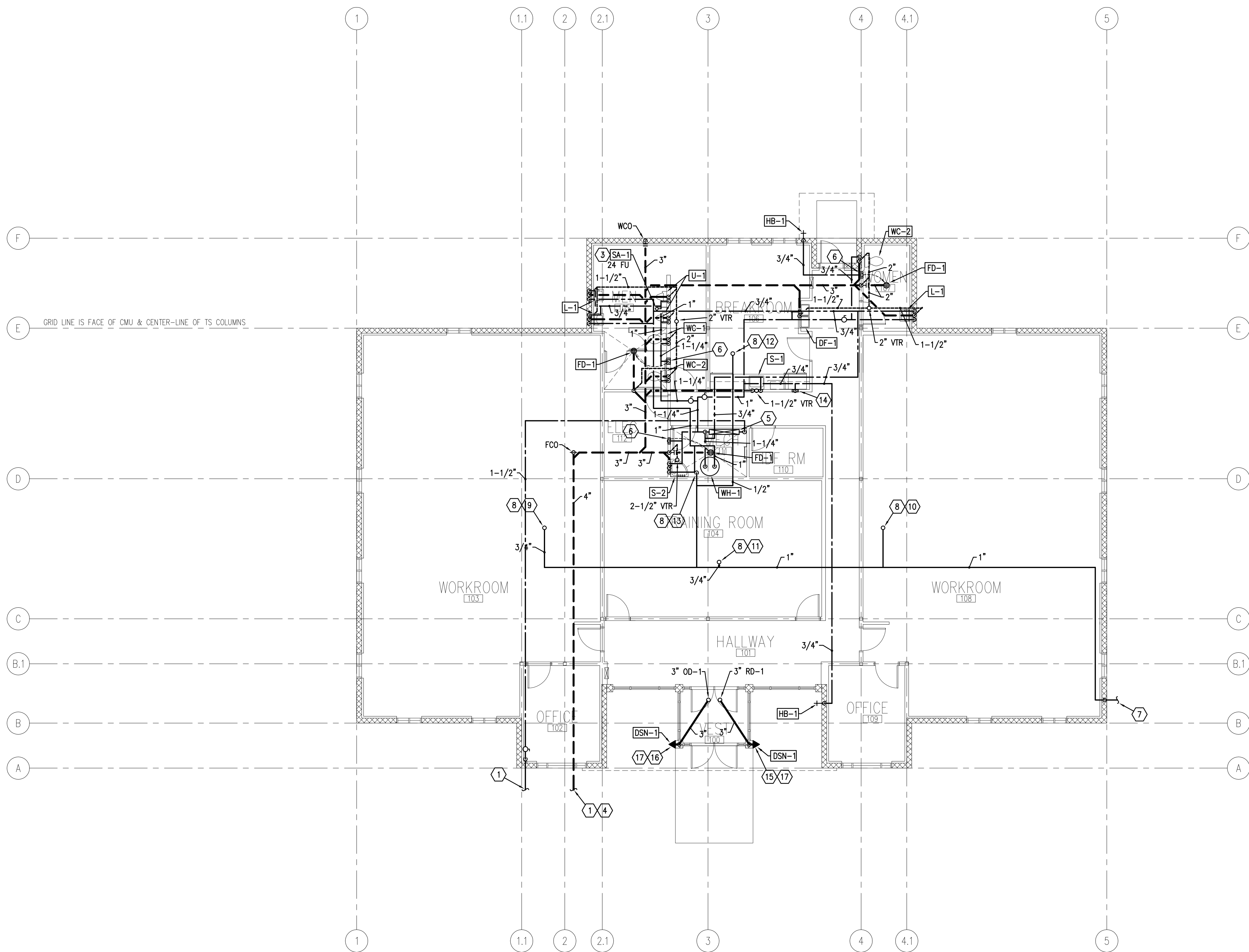
SCHEDULE
SHEET

A

SHEET NUMBER

P-001

SHEET 013 OF 055



1 PLUMBING FLOOR PLAN
P201 SCALE: 1/8" = 1' - 0" 6' 0 4' 8' 12' 16'

- KEYED NOTES:**
- 1 SEE CIVIL DRAWINGS FOR CONTINUATION
 - 2 SET BALANCING VALVE TO 0.50 GPM
 - 3 PROVIDE ACCESS DOOR
 - 4 FIELD VERIFY I.E. COORDINATE WITH SITE CONTRACTOR EXACT LOCATION AND I.E.
 - 5 SEE PRESSURE REDUCING STATION DETAIL.
 - 6 TRAP PRIMER WITH 1/2" TYPE L COPPER PIPE TO P-TRAP.
 - 7 961 CUBIC FEET OF 2 PSI NATURAL GAS WITH SPECIFIC GRAVITY OF 0.60 AND HEAT CONTENT OF 890 BTU/CUBIC FEET. EXTEND TO GAS METER. SEE UTILITY SITE PLANS FOR METER LOCATION.
 - 8 PROVIDE APPLIANCE PRESSURE REDUCING VALVE TO REDUCE FROM 2 PSI TO 40 OZ. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. VENT TO OUTSIDE IF REQUIRED.
 - 9 3/4" PIPE UP TO RTU-1.
 - 10 3/4" PIPE UP TO RTU-2.
 - 11 3/4" PIPE UP TO RTU-3.
 - 12 1/2" PIPE UP TO RTU-4.
 - 13 3/4" PIPE DOWN TO WH-1.
 - 14 PROVIDE ICE MAKER BOX OUTLET, IPS #W9700, WITH CHROME 1/4 TURN VALVE INSTALLED WITH 1/2" PIPE.
 - 15 LABEL WITH PLASTIC LAMINATE LABEL TO READ "PRIMARY ROOF DRAIN". ATTACH LABEL ABOVE DOWN SPOUT.
 - 16 LABEL WITH PLASTIC LAMINATE LABEL TO READ "EMERGENCY OVERFLOW ROOF DRAIN". ATTACH LABEL ABOVE DOWN SPOUT.
 - 17 MOUNT 12" AFG.

PVE inc.
Consulting Mechanical Electrical Engineers
90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

jsa architecture
planning
interiors
6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4
CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.
CHK'D BY: A.D.S.
COPYRIGHT: STATE OF UTAH
SHEET TITLE

MECHANICAL
FLOOR PLAN

SHEET NUMBER

P-201

SHEET 013 OF 055

Copyright (C) 2005 by PVE, Inc. Salt Lake City, Utah. All rights reserved. Unauthorized copying and/or use is illegal and subject to prosecution.

File name: N:\PROJECTS\2004\04045.06\DRAWINGS\P601.DWG Last edited: 04/18/2006 @ 14:27

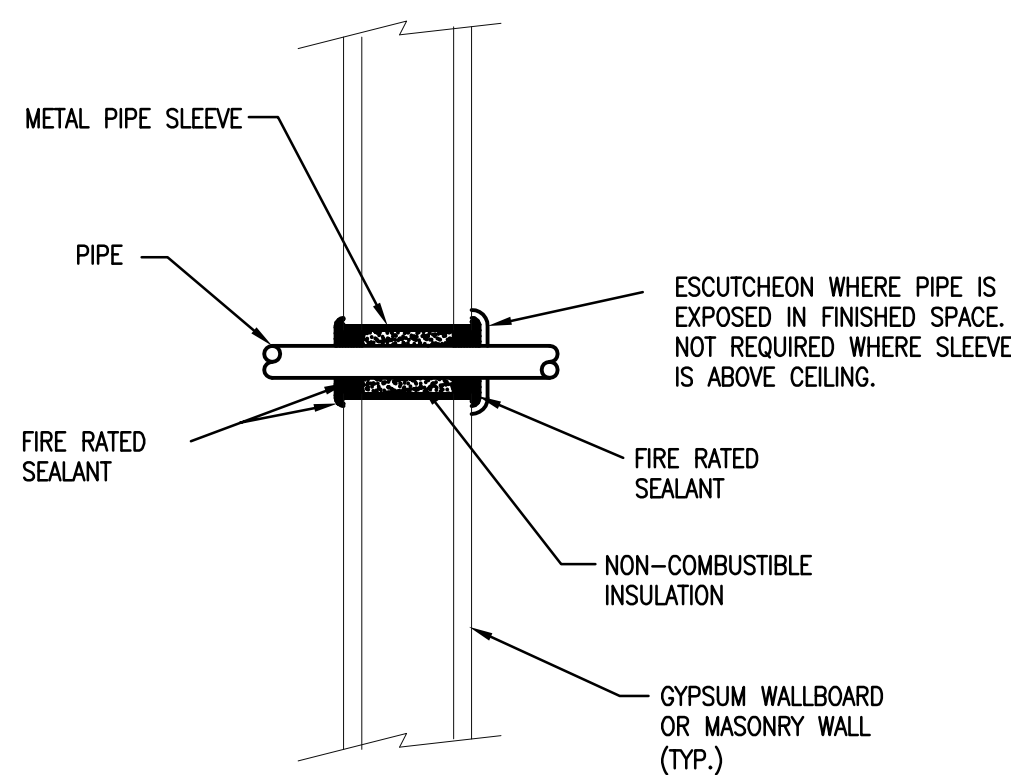
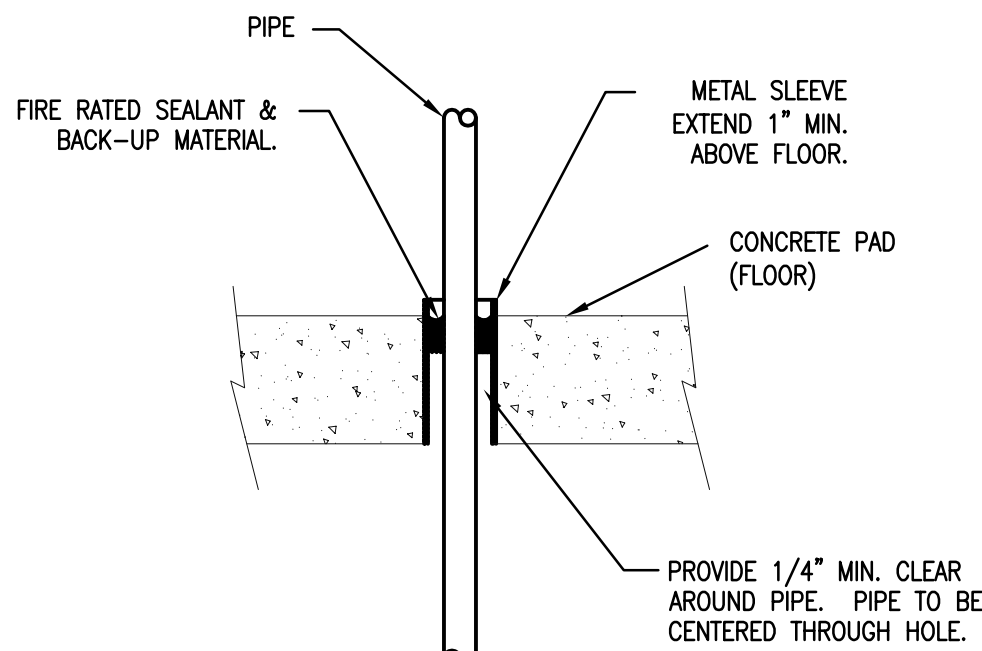
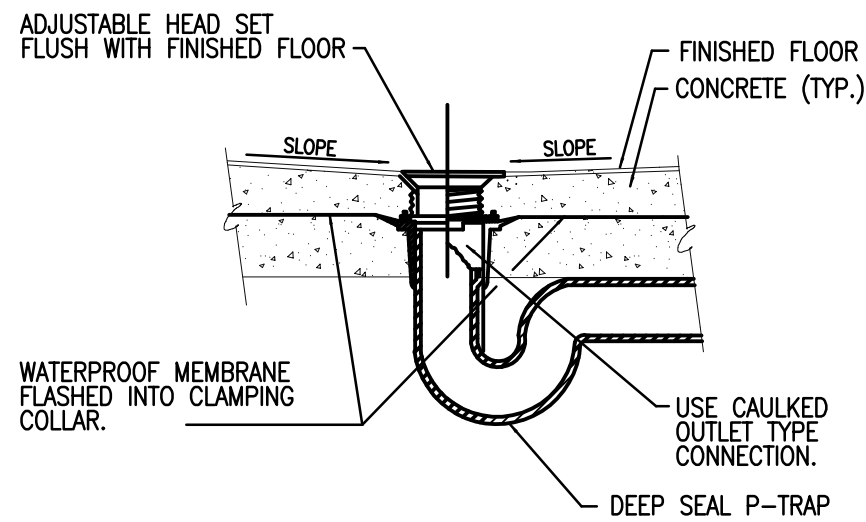
1

2

3

4

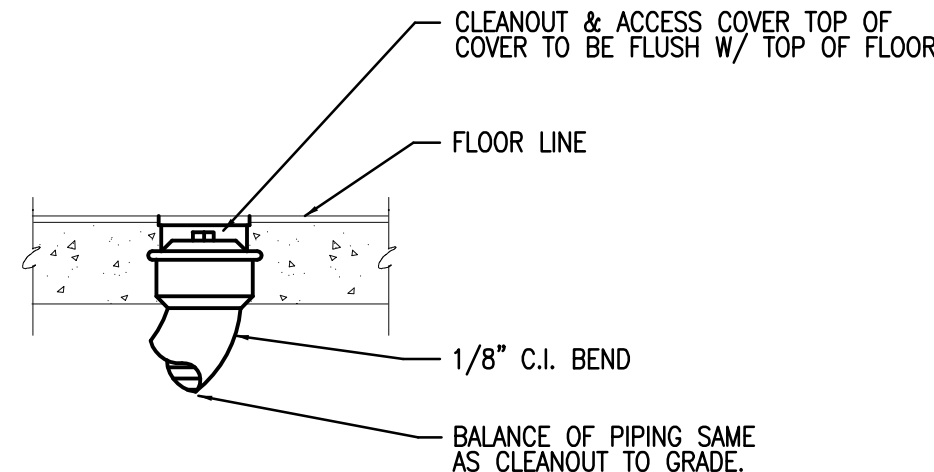
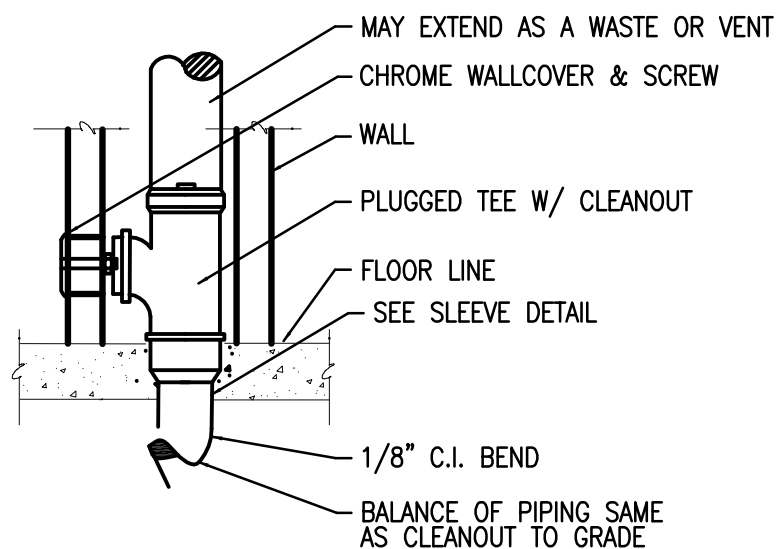
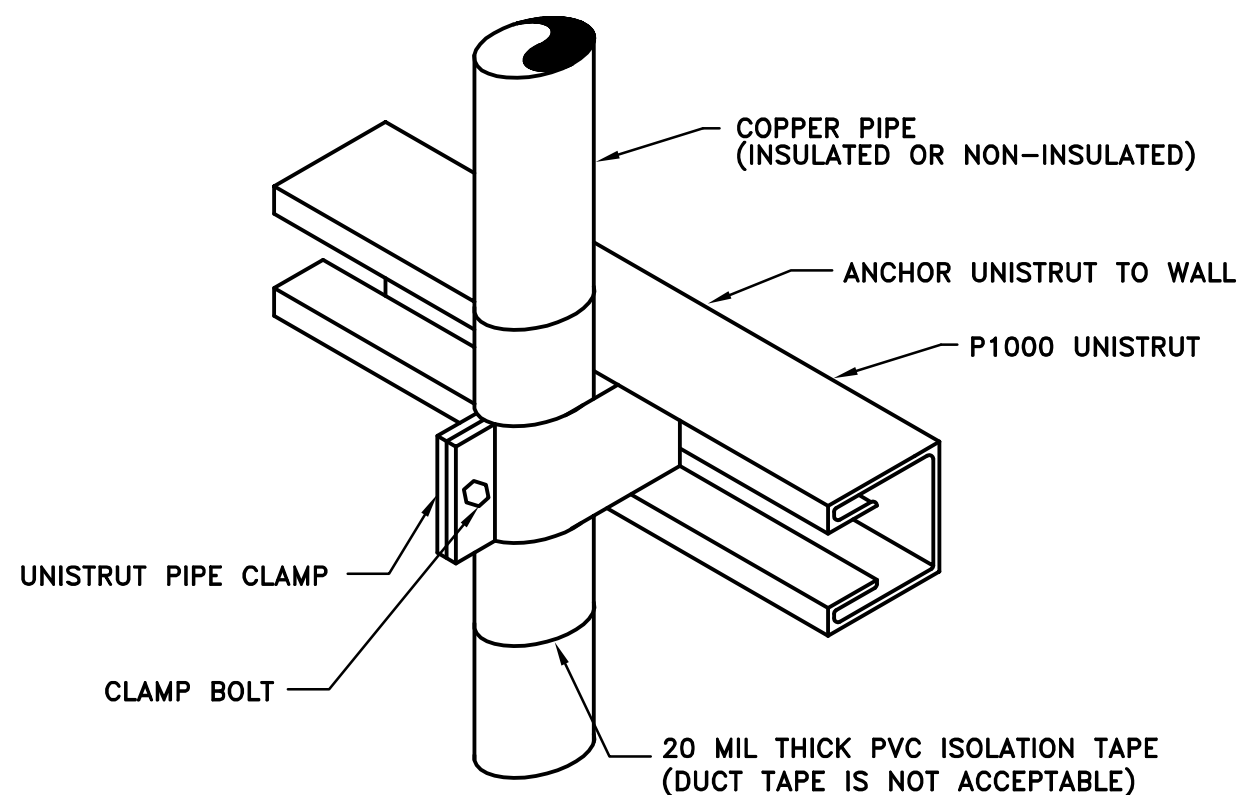
5



1 FLOOR DRAIN DETAIL
P601 NO SCALE

2 PIPE THROUGH FLOOR ABOVE GRADE
P601 NO SCALE

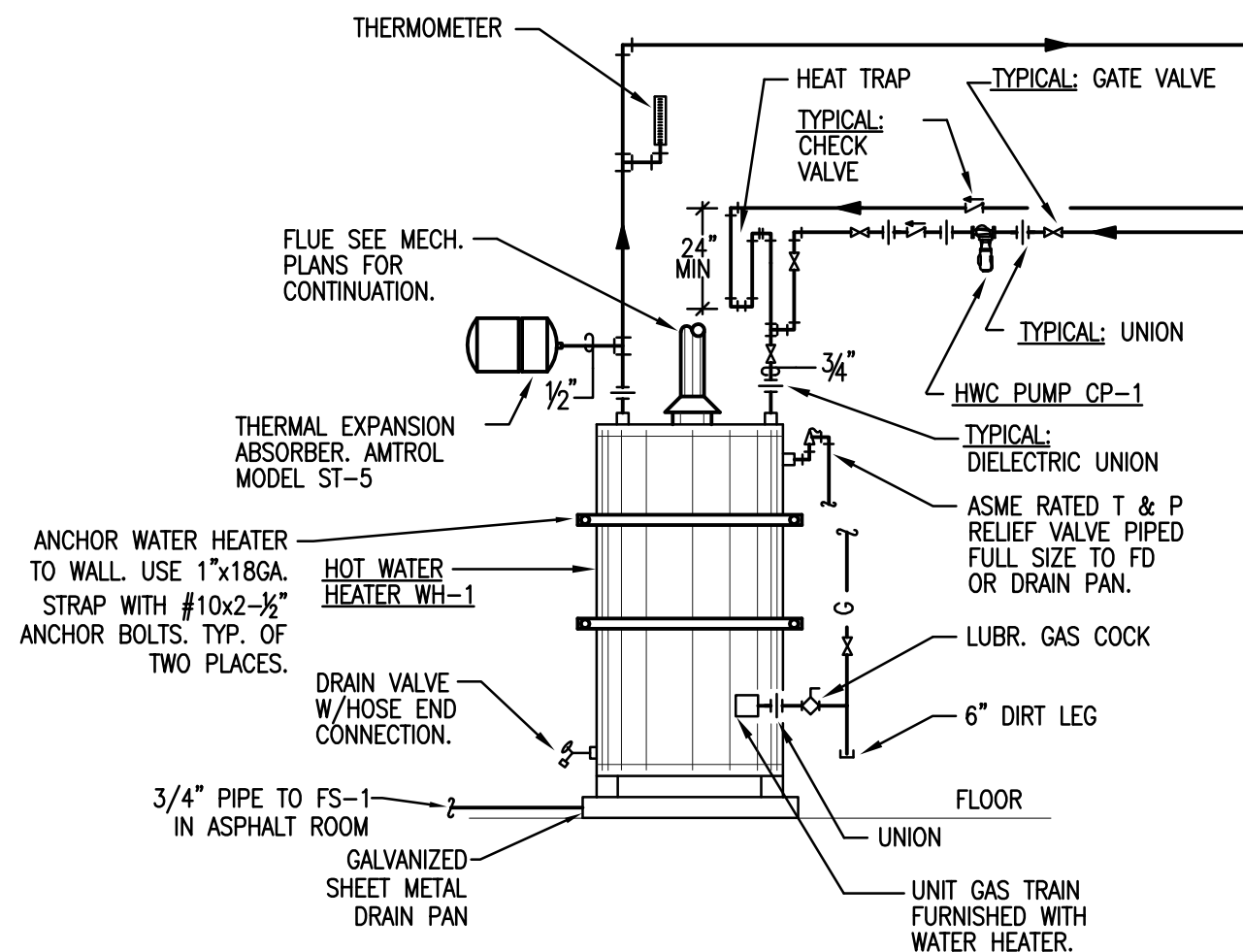
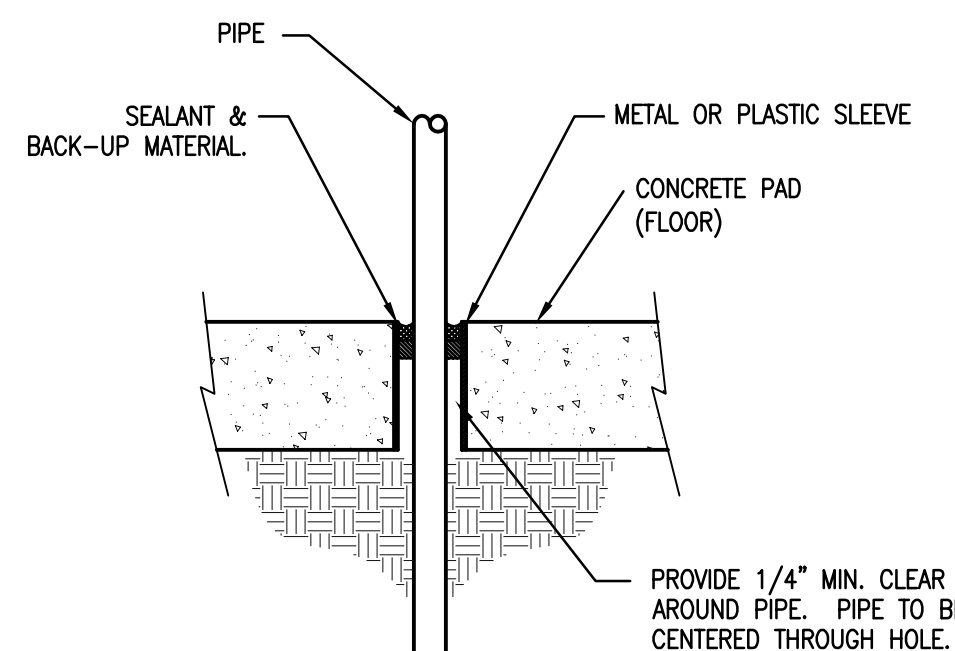
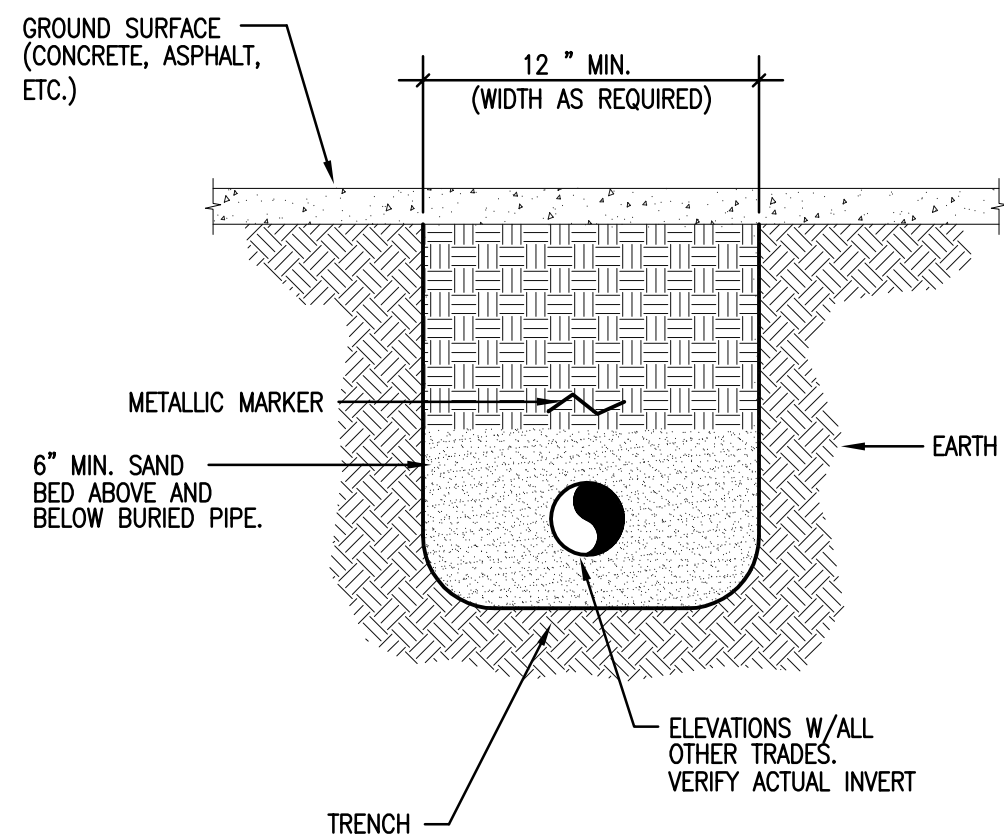
3 PIPING THROUGH FIRE-RATED WALL
P601 NO SCALE



4 PIPE SUPPORT
P601 NO SCALE

5 WALL CLEANOUT
P601 NO SCALE

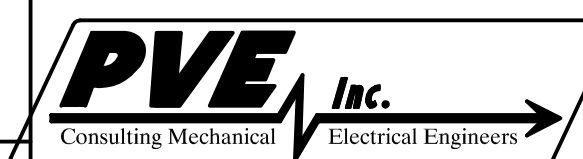
6 FLOOR CLEANOUT
P601 NO SCALE



7 BURIED PIPE DETAIL
P601 NO SCALE

8 PIPING THROUGH ON GRADE FLOOR
P601 NO SCALE

9 GAS FIRED WATER HEATER
P601 NO SCALE



90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

jsa architecture
planning
interiors

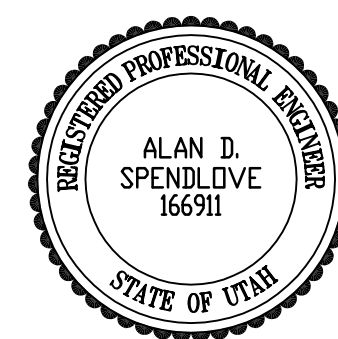
6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.

CHK'D BY: A.D.S.

COPYRIGHT: STATE OF UTAH

SHEET TITLE

SCHEDULE
SHEET

SHEET NUMBER

P-601

SHEET 013 OF 055

Copyright (C) 2005 by PVE, Inc. Salt Lake City, Utah. All rights reserved. Unauthorized copying and/or use is illegal and subject to prosecution.

File name: M:\PROJECTS\2004\04045.06\DRAWINGS\p602.dwg Last edited: 04/18/2006 @ 14:00

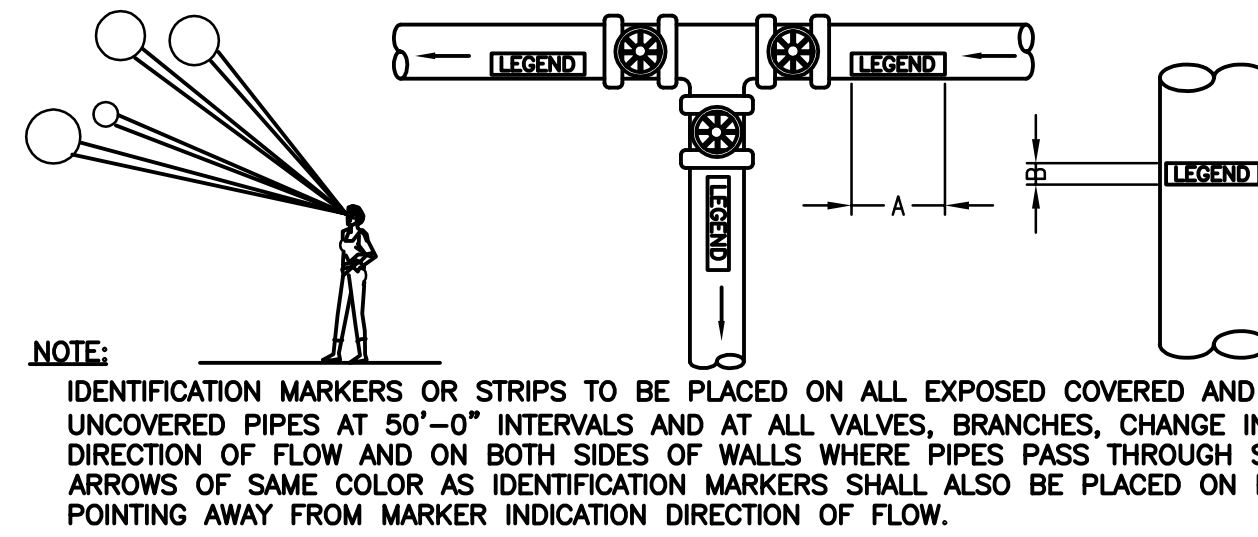
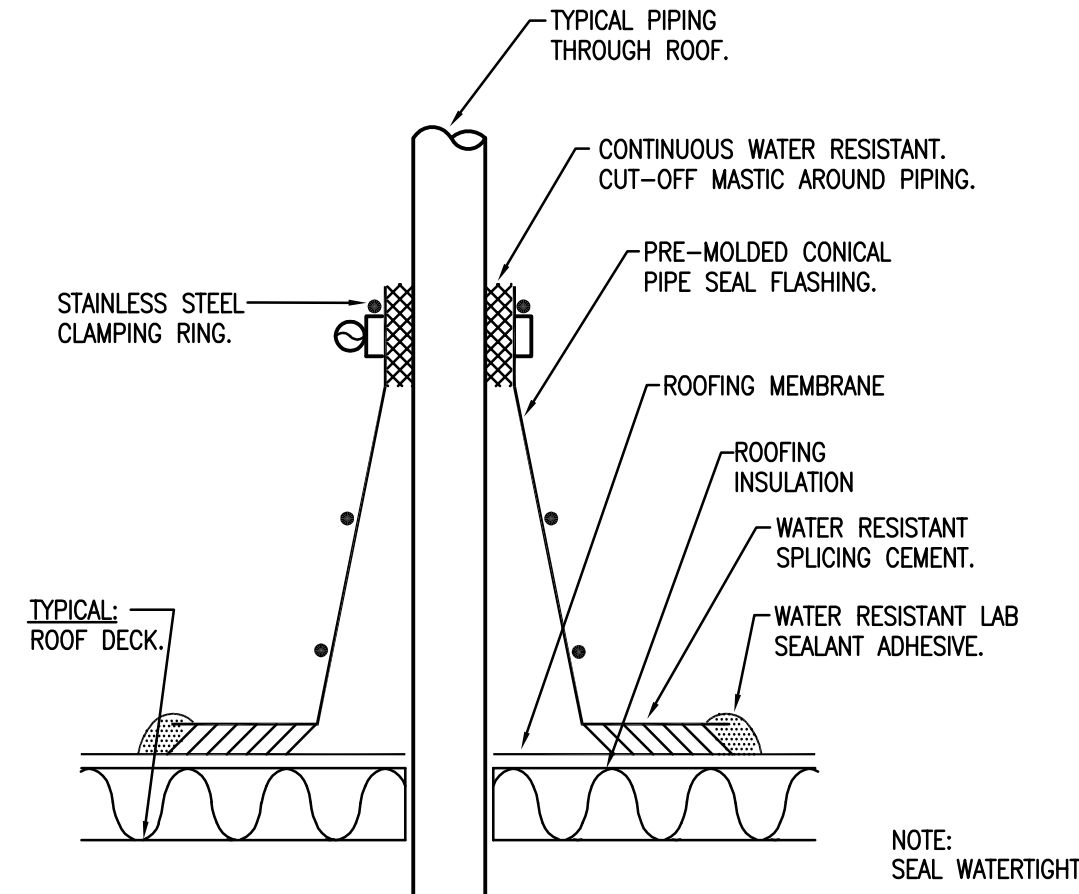
1

2

3

4

5

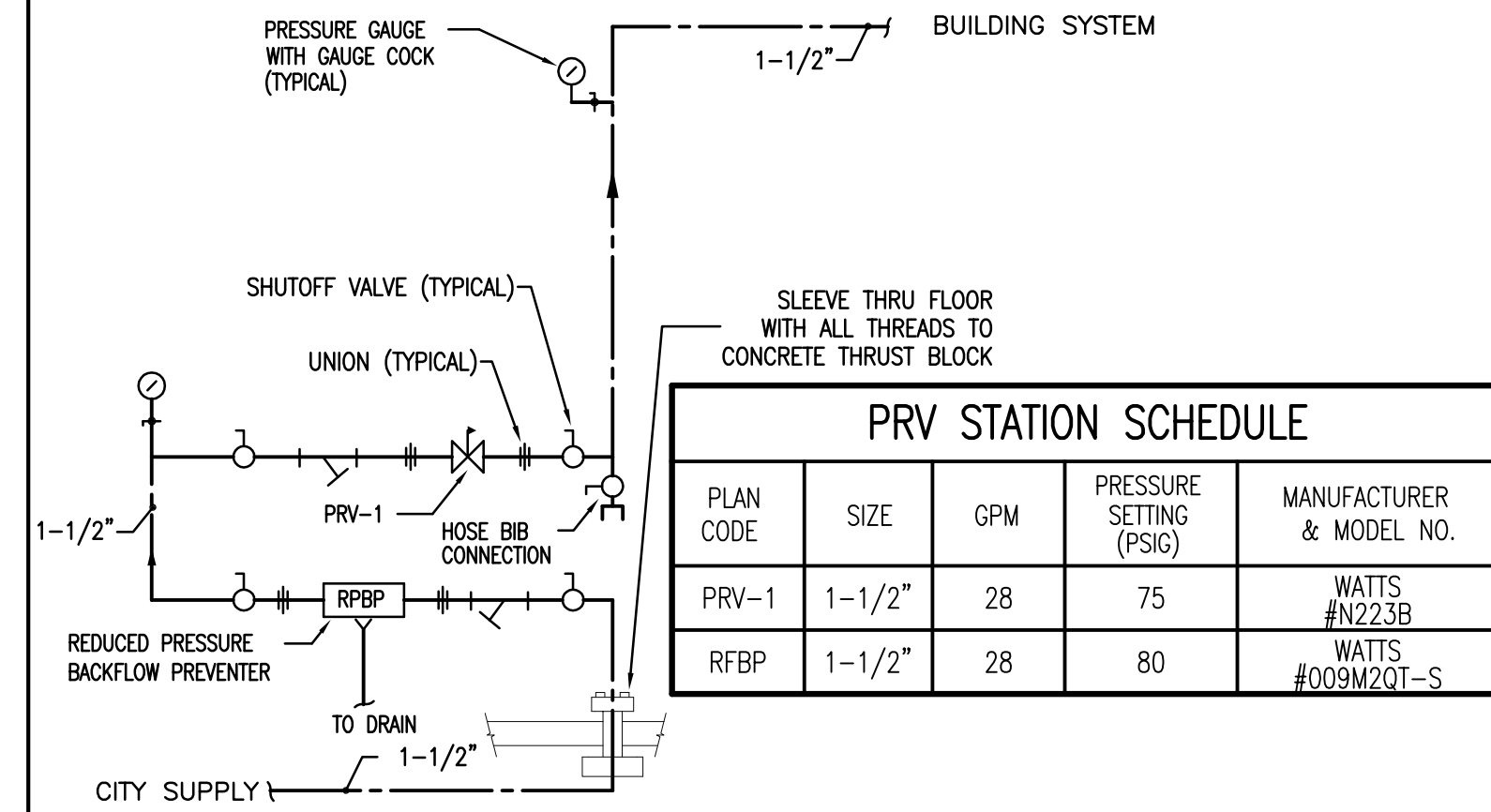
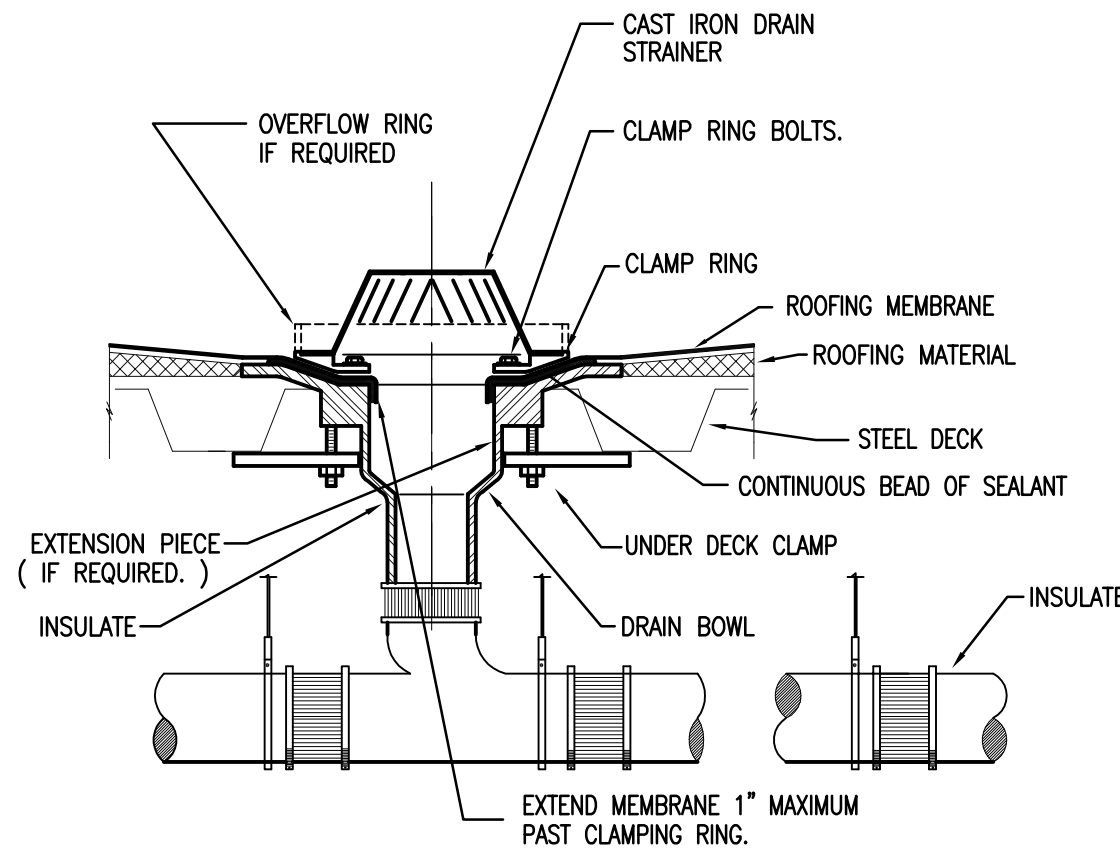
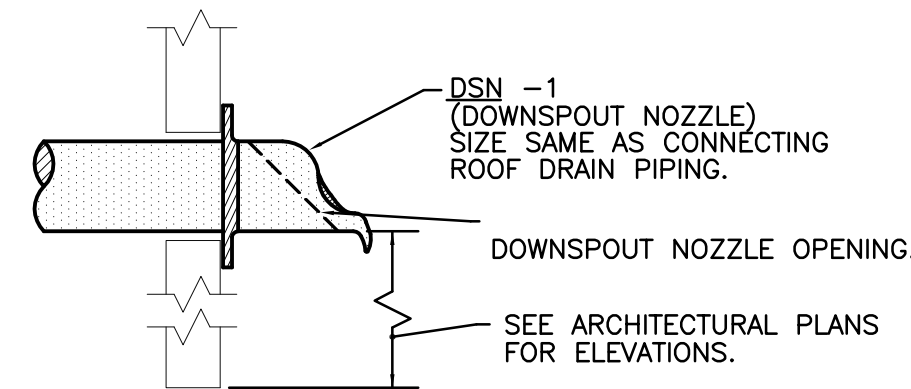


| OUTSIDE DIAMETER OF PIPE OR COVERING | | LENGTH OF FIELD | | SIZE OF LETTERS | |
|--------------------------------------|------------|-----------------|-----|-----------------|----|
| INCHES | MM | INCHES | MM | INCHES | MM |
| 3/4" TO 1-1/4" | 19 TO 32 | 8" | 200 | 1/2" | 13 |
| 1-1/2" TO 2" | 38 TO 51 | 8" | 200 | 3/4" | 19 |
| 2-1/2" TO 6" | 64 TO 150 | 12" | 300 | 1-1/4" | 32 |
| 8" TO 10" | 200 TO 250 | 24" | 600 | 2-1/2" | 64 |
| OVER 10" | OVER 250 | 32" | 800 | 3-1/2" | 89 |

| SERVICE | BACKGROUND OR COLOR BAND | IDENTIFICATION MARKER |
|-----------------------------|--------------------------|-----------------------|
| DOMESTIC COLD WATER | GREEN | WHITE ON GREEN |
| DOMESTIC HOT WATER | YELLOW | BLACK ON YELLOW |
| DOMESTIC HOT WATER RETURN | YELLOW | BLACK ON YELLOW |
| FIRE PROTECTION (SPRINKLER) | RED | WHITE ON RED |
| NATURAL GAS | YELLOW | BLACK ON YELLOW |
| SANITARY DRAIN | GREEN | WHITE ON GREEN |
| STORM WATER | GREEN | WHITE ON GREEN |

1 PIPE THROUGH ROOF DETAIL
P602 NO SCALE

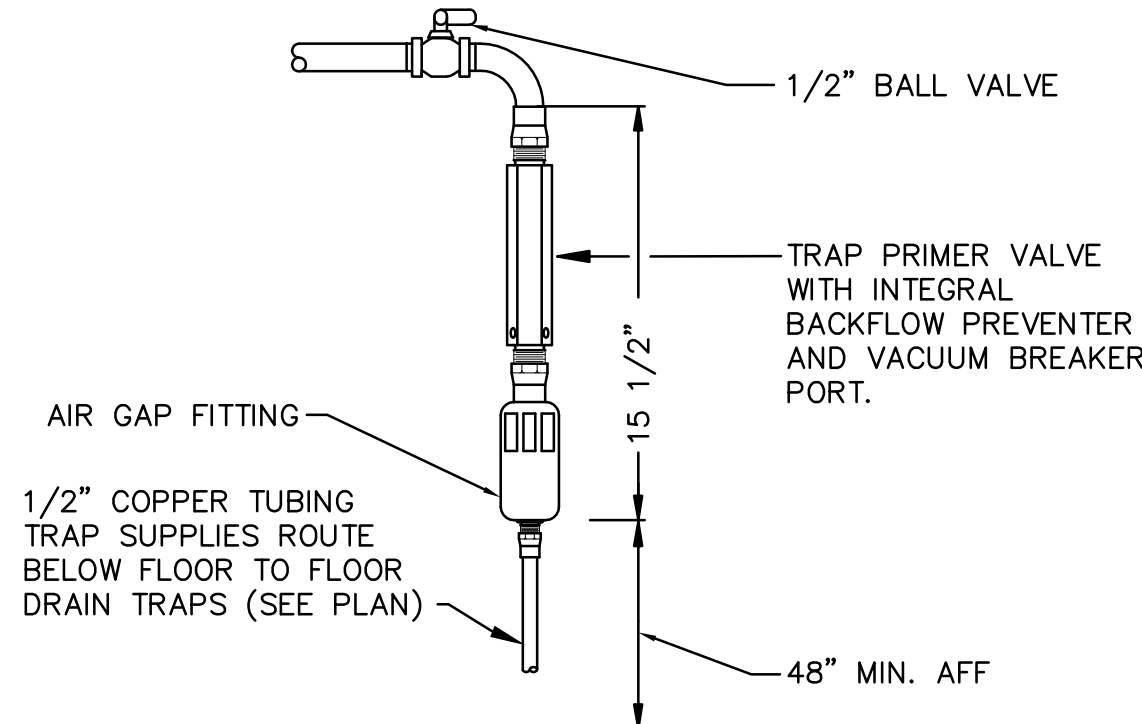
2 PIPE IDENTIFICATION DETAIL
P602 NO SCALE



3 DOWNSPOUT NOZZLE DETAIL
P602 NO SCALE

4 ROOF DRAIN DETAIL
P602 NO SCALE

5 PRV STATION DETAIL
P602 NO SCALE



6 TRAP PRIMER DETAIL
P602 NO SCALE

1

2

3

4

5

j^sa architecture
planning
interiors

6465 s. 3000 e. suite 205
salt lake city utah 84121
801.733.2500 fax 801.733.2501

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



NOT VALID UNLESS SIGNED

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE DATE: 4/25/06

PVE PROJECT NO: 04045.06

DRAWN BY: M.M.
CHK'D BY: A.D.S.
COPYRIGHT: STATE OF UTAH

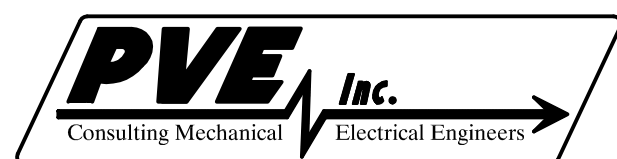
SHEET TITLE

SCHEDULE
SHEET

SHEET NUMBER

P-602

SHEET 013 OF 055



90 South 400 West, Suite 340
Salt Lake City, UT 84101
Phone: (801) 359-3158
Fax: (801) 521-4114

1

2

3

4

5

| | | | | | | | | | | | | | | |
|--------------|--------------------|--------|-----|--------------|------|-----------|-------|--------------|------|-------|-----|--------|--------------------|-----|
| PHASE / WIRE | | 113 | | RATING | | 120 / 208 | | VOLTS | | | | | | |
| MAIN LUG | | 225 | | SUBFEED LUGS | | COMMENT | | SERIES RATED | | | | | | |
| MAIN BREAKER | | AMPS | | | | | | | | | | | | |
| CKT | LOCATION | RECEPT | LTG | OTHER | POLE | SIZE | PHASE | SIZE | POLE | OTHER | LTG | RECEPT | LOCATION | CKT |
| 1 | 4 PLEX ROOM 103 | 1440 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 103 | 2 |
| 3 | 4 PLEX ROOM 103 | 1440 | | | 1 | 20 | B | 20 | 1 | | | 1440 | 4 PLEX ROOM 103 | 4 |
| 5 | 4 PLEX ROOM 103 | 1080 | | | 1 | 20 | A | 20 | 1 | | | 720 | 4 PLEX ROOM 103 | 6 |
| 7 | OFFICE 103 OUTLETS | 720 | | | 1 | 20 | B | 20 | 1 | | | 720 | OFFICE 103 OUTLETS | 8 |
| 9 | 4 PLEX ROOM 108 | 1440 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 10 |
| 11 | 4 PLEX ROOM 108 | 1440 | | | 1 | 20 | B | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 12 |
| 13 | 4 PLEX ROOM 108 | 720 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 14 |
| 15 | IDF 110 OUTLETS | 720 | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 16 |
| 17 | IDF 110 OUTLETS | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 18 |
| 19 | IDF 110 OUTLETS | 360 | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 20 |
| 21 | IDF 110 OUTLETS | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 22 |
| 23 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 24 |
| 25 | SPARE | | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 26 |
| 27 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 28 |
| 29 | SPARE | | | | | | A | | | | | | SPARE | 30 |
| 31 | SPACE | | | | | | B | | | | | | SPARE | 32 |
| 33 | SPACE | | | | | | A | | | | | | SPARE | 34 |
| 35 | SPACE | | | | | | B | | | | | | SPARE | 36 |
| 37 | SPACE | | | | | | A | | | | | | SPARE | 38 |
| 39 | SPACE | | | | | | B | | | | | | SPARE | 40 |
| 41 | SPACE | | | | | | A | | | | | | SPARE | 42 |
| | | VA | VA | VA | | AMPS | | KVA | | VA | VA | VA | | |
| | | 6120 | 0 | 0 | A | 93.0 | A | 11.2 | A | 0 | 0 | 5040 | | |
| | | 4680 | 0 | 0 | B | 69.0 | B | 8.3 | B | 0 | 0 | 3600 | | |
| | | 10800 | 0 | 0 | | 93.5 | TOTAL | 16.4 | | 0 | 0 | 6640 | | |

| | | | | | | | | | | | | | | |
|--------------|------------------------|--------|-----|--------------|------|-----------|-------|--------------|------|-------|------|--------|-------------------|-----|
| PANEL "P1" | | 3 / 4 | | AIC RATING | | 10K | | AMPS | | | | | | |
| PHASE / WIRE | | 100 | | RATING | | 120 / 208 | | VOLTS | | | | | | |
| MAIN LUG | | AMPS | | SUBFEED LUGS | | COMMENT | | SERIES RATED | | | | | | |
| MAIN BREAKER | | AMPS | | | | | | | | | | | | |
| CKT | LOCATION | RECEPT | LTG | OTHER | POLE | SIZE | PHASE | SIZE | POLE | OTHER | LTG | RECEPT | LOCATION | CKT |
| 1 | WORKROOM 103 | 360 | | | 1 | 20 | A | 20 | 1 | | | 540 | WORKROOM 103 | 2 |
| 3 | WORKROOM 103 | 360 | | | 1 | 20 | B | 20 | 1 | | | 540 | WORKROOM 103 | 4 |
| 5 | WORKROOM 103 | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 6 |
| 7 | ROOFTOP C.O. | 720 | | | 1 | 20 | A | 20 | 1 | | 500 | | FACP | 8 |
| 9 | ELECTRIC REHT (EDH-1) | | | | 1500 | 1 | 20 | B | 20 | 1 | | 575 | EXTERIOR LIGHTS | 10 |
| 11 | AIR CONDITIONER (AC-1) | | | | 1200 | 1 | 20 | C | 20 | 1 | | | SPARE | 12 |
| 13 | FIRE SMOKE DAMPERS | | | | 1200 | 1 | 20 | A | 20 | 1 | | 660 | INTERIOR LIGHTS | 14 |
| 15 | FIRE SMOKE DAMPERS | | | | 1500 | 1 | 20 | B | 20 | 1 | 1200 | | INTERIOR LIGHTS | 16 |
| 17 | OFFICE 102 | 720 | | | 1 | 20 | C | 20 | 1 | | | 1260 | HALL 101 OUTLETS | 18 |
| 19 | MEN'S RESTROOM | 540 | | | 1 | 20 | A | 20 | 1 | | | 1440 | TRAINING ROOM 104 | 20 |
| 21 | FLOOR OUTLET 104 | 180 | | | 1 | 20 | B | 20 | 1 | | | 1440 | TRAINING ROOM 104 | 22 |
| 23 | CEILING OUTLET 104 | 180 | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 24 |
| 25 | AIR CONDITIONER (AC-1) | | | | 1200 | 1 | 20 | A | 20 | 1 | | | SPARE | 26 |
| 27 | EF-2 | | | | 100 | 1 | 20 | B | 20 | 1 | | | SPARE | 28 |
| 29 | SPARE | | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 30 |
| 31 | SPARE | | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 32 |
| 33 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 34 |
| 35 | SPARE | | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 36 |
| 37 | SPARE | | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 38 |
| 39 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 40 |
| 41 | SPARE | | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 42 |
| | | VA | VA | VA | | AMPS | | KVA | | VA | VA | VA | | |
| | | 1620 | 0 | 2400 | A | 59.7 | A | 7.2 | A | 500 | 660 | 1980 | | |
| | | 540 | 0 | 3100 | B | 61.6 | B | 7.4 | B | 0 | 1775 | 1980 | | |
| | | 1620 | 0 | 1200 | C | 34.0 | C | 4.1 | C | 0 | 0 | 1260 | | |
| | | 3780 | 0 | 6700 | | 51.7 | TOTAL | 18.6 | | 500 | 2435 | 5220 | | |

| | | | | | | | | | | | | | | |
|--------------|-----------------------|--------|-----|--------------|------|-----------|-------|--------------|------|-------|------|--------|------------------|-----|
| PANEL "P2" | | 3 / 4 | | AIC RATING | | 10K | | AMPS | | | | | | |
| PHASE / WIRE | | 100 | | RATING | | 120 / 208 | | VOLTS | | | | | | |
| MAIN LUG | | AMPS | | SUBFEED LUGS | | COMMENT | | SERIES RATED | | | | | | |
| MAIN BREAKER | | AMPS | | | | | | | | | | | | |
| CKT | LOCATION | RECEPT | LTG | OTHER | POLE | SIZE | PHASE | SIZE | POLE | OTHER | LTG | RECEPT | LOCATION | CKT |
| 1 | WORKROOM 108 | 360 | | | 1 | 20 | A | 20 | 1 | | | 540 | WORKROOM 108 | 2 |
| 3 | WORKROOM 108 | 360 | | | 1 | 20 | B | 20 | 1 | | | 540 | WORKROOM 108 | 4 |
| 5 | WORKROOM 108 | 720 | | | 1 | 20 | C | 20 | 1 | | | 720 | BASEMENT OUTLETS | 6 |
| 7 | BASEMENT OUTLETS | 900 | | | 1 | 20 | A | 20 | 1 | 100 | | | MECH 112/CP-1 | 8 |
| 9 | ELECTRIC REHT (EDH-1) | | | | 1500 | 1 | 20 | B | 20 | 1 | | 660 | BASEMENT LIGHTS | 10 |
| 11 | HEATER (EH-1) | | | | 1800 | 1 | 20 | C | 20 | 1 | | 840 | BASEMENT LIGHTS | 12 |
| 13 | | | | | 1500 | 1 | 20 | A | 20 | 1 | | | SPARE | 14 |
| 15 | ELECTRIC COIL (EDH-2) | | | | 1500 | 1 | 20 | B | 20 | 1 | | 720 | OFFICE 110 | 16 |
| 17 | WOMEN'S RESTROOM | 180 | | | 1 | 20 | C | 20 | 1 | | | 180 | OUTLETS 106 | 18 |
| 19 | FRIDGE 106 | | | | 1000 | 1 | 20 | A | 20 | 1 | | 540 | BREAKROOM 106 | 20 |
| 21 | FRIDGE 106 | | | | 500 | 1 | 20 | C | 20 | 1 | | | SPARE | 22 |
| 23 | MICROWAVE 106 | | | | 1000 | 1 | 20 | A | 20 | 1 | | | SPARE | 24 |
| 25 | DISPOSAL 106 | | | | 1000 | 1 | 20 | A | 20 | 1 | | | SPARE | 26 |
| 27 | SPARE | | | | 2 | 20 | B | 20 | 1 | | | | SPARE | 28 |
| 29 | SPARE | | | | 2 | 20 | C | 20 | 1 | | | | SPARE | 30 |
| 31 | SPARE | | | | 2 | 20 | A | 20 | 1 | | | | SPARE | 32 |
| 33 | SPARE | | | | 2 | 20 | B | 20 | 1 | | | | SPARE | 34 |
| 35 | SPARE | | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 36 |
| 37 | SPARE | | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 38 |
| 39 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 40 |
| 41 | SPARE | | | | 1 | 20 | C | 20 | 1 | | | | SPARE | 42 |
| | | VA | VA | VA | | AMPS | | KVA | | VA | VA | VA | | |
| | | 1260 | 0 | 3500 | A | 49.5 | A | 5.9 | A | 100 | 0 | 1080 | | |
| | | 360 | 0 | 4000 | B | 56.8 | B | 6.8 | B | 0 | 660 | 1900 | | |
| | | 900 | 0 | 2300 | C | 41.2 | C | 4.9 | C | 0 | 840 | 900 | | |
| | | 2520 | 0 | 9800 | | 49.1 | TOTAL | 17.7 | | 100 | 1500 | 3780 | | |

2

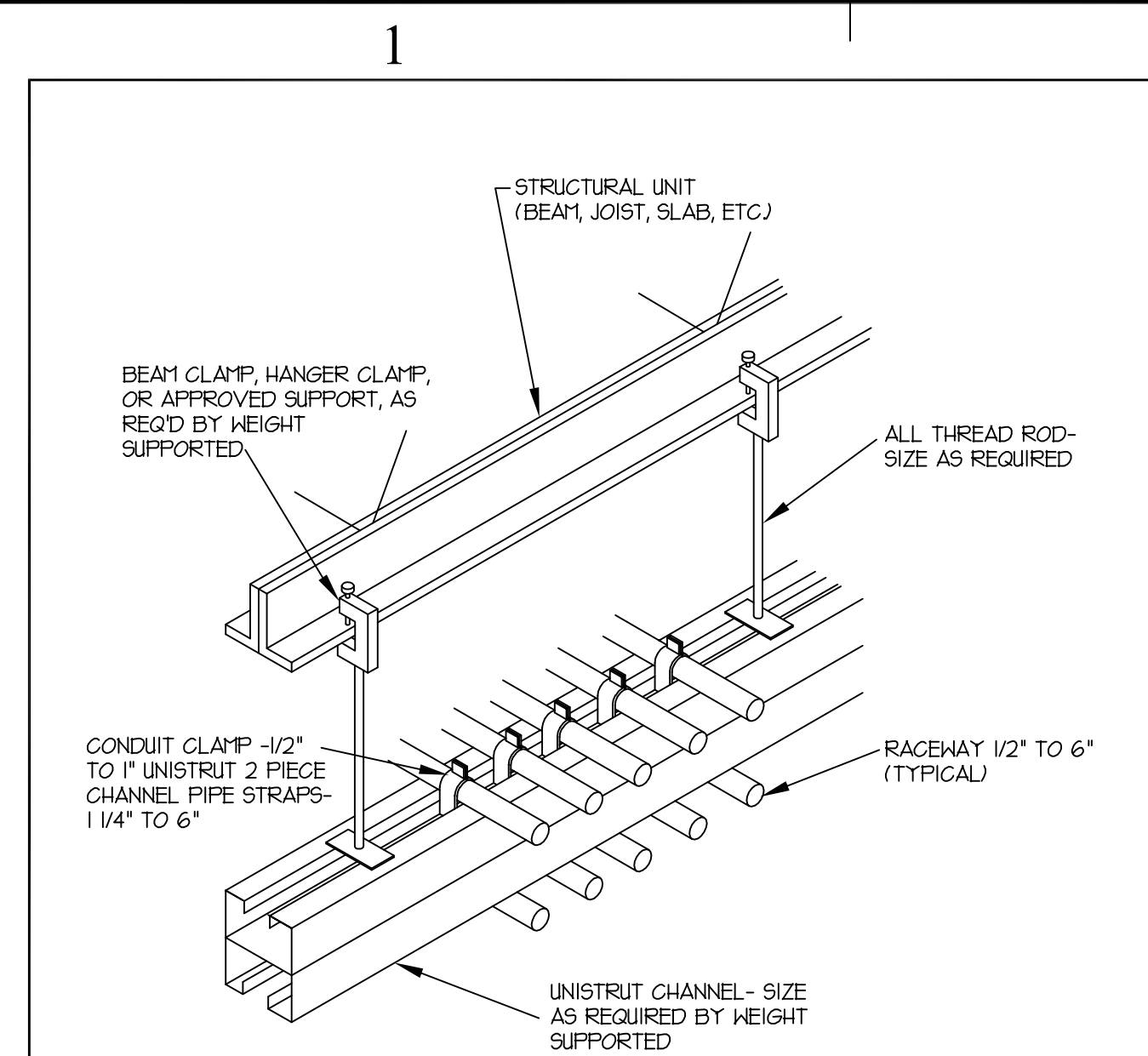
3

4

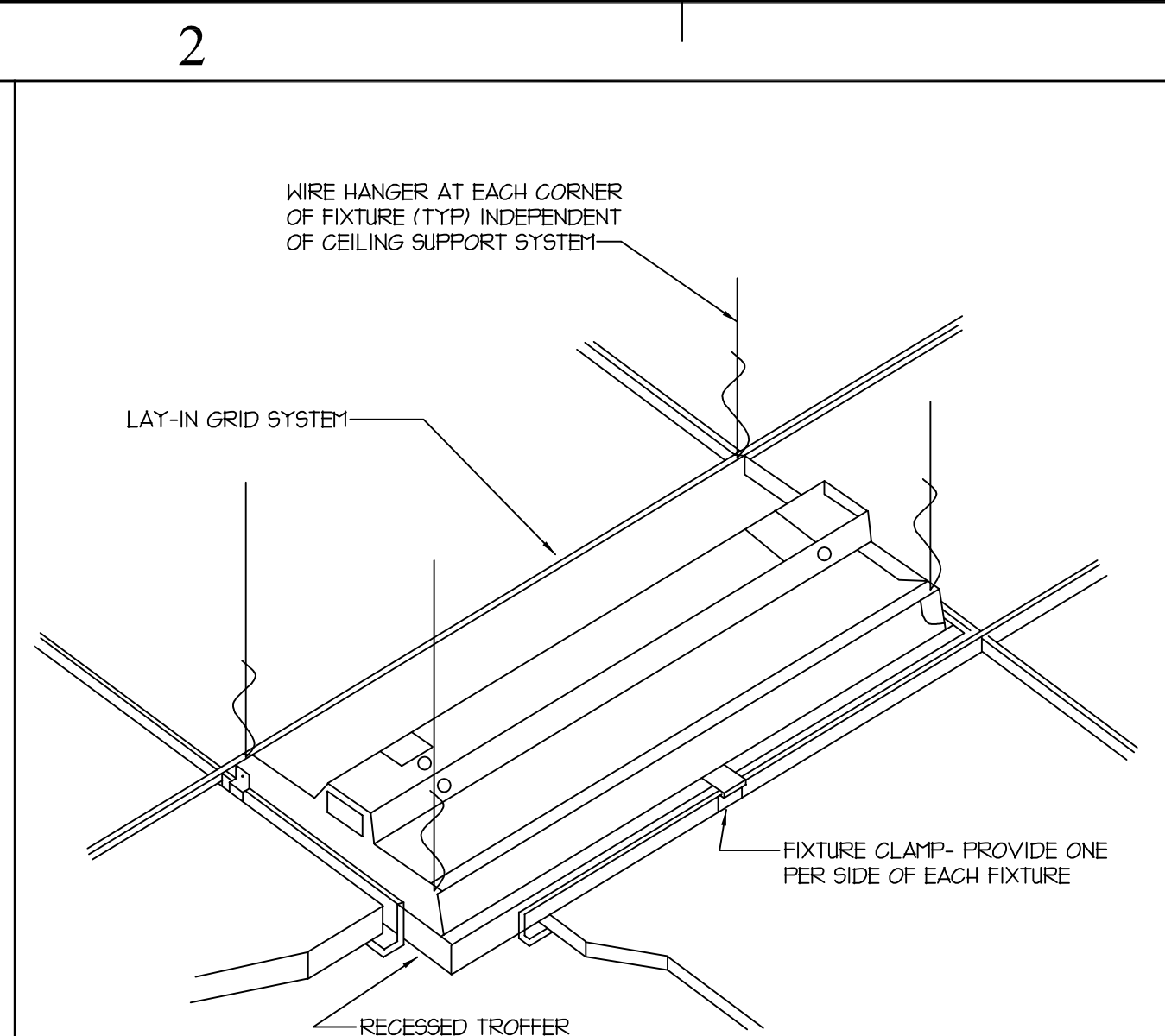
5

| | | | | | | | | | | | | | | |
|--------------|--------------------|--------|-----|--------------|------|-----------|-------|--------------|------|-------|-----|--------|--------------------|-----|
| PHASE / WIRE | | 113 | | RATING | | 120 / 208 | | VOLTS | | | | | | |
| MAIN LUG | | 225 | | SUBFEED LUGS | | COMMENT | | SERIES RATED | | | | | | |
| MAIN BREAKER | | AMPS | | | | | | | | | | | | |
| CKT | LOCATION | RECEPT | LTG | OTHER | POLE | SIZE | PHASE | SIZE | POLE | OTHER | LTG | RECEPT | LOCATION | CKT |
| 1 | 4 PLEX ROOM 103 | 1440 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 103 | 2 |
| 3 | 4 PLEX ROOM 103 | 1440 | | | 1 | 20 | B | 20 | 1 | | | 1440 | 4 PLEX ROOM 103 | 4 |
| 5 | 4 PLEX ROOM 103 | 1080 | | | 1 | 20 | A | 20 | 1 | | | 720 | 4 PLEX ROOM 103 | 6 |
| 7 | OFFICE 103 OUTLETS | 720 | | | 1 | 20 | B | 20 | 1 | | | 720 | OFFICE 103 OUTLETS | 8 |
| 9 | 4 PLEX ROOM 108 | 1440 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 10 |
| 11 | 4 PLEX ROOM 108 | 1440 | | | 1 | 20 | B | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 12 |
| 13 | 4 PLEX ROOM 108 | 720 | | | 1 | 20 | A | 20 | 1 | | | 1440 | 4 PLEX ROOM 108 | 14 |
| 15 | IDF 110 OUTLETS | 720 | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 16 |
| 17 | IDF 110 OUTLETS | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 18 |
| 19 | IDF 110 OUTLETS | 360 | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 20 |
| 21 | IDF 110 OUTLETS | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 22 |
| 23 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 24 |
| 25 | SPARE | | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 26 |
| 27 | SPARE | | | | 1 | 20 | B | 20 | 1 | | | | SPARE | 28 |
| 29 | SPARE | | | | | | A | | | | | | SPARE | 30 |
| 31 | SPACE | | | | | | B | | | | | | SPARE | 32 |
| 33 | SPACE | | | | | | A | | | | | | SPARE | 34 |
| 35 | SPACE | | | | | | B | | | | | | SPARE | 36 |
| 37 | SPACE | | | | | | A | | | | | | SPARE | 38 |
| 39 | SPACE | | | | | | B | | | | | | SPARE | 40 |
| 41 | SPACE | | | | | | A | | | | | | SPARE | 42 |
| | | VA | VA | VA | | AMPS | | KVA | | VA | VA | VA | | |
| | | 6120 | 0 | 0 | A | 93.0 | A | 11.2 | A | 0 | 0 | 5040 | | |
| | | 4680 | 0 | 0 | B | 69.0 | B | 8.3 | B | 0 | 0 | 3600 | | |
| | | 10800 | 0 | 0 | | 93.5 | TOTAL | 16.4 | | 0 | 0 | 6640 | | |

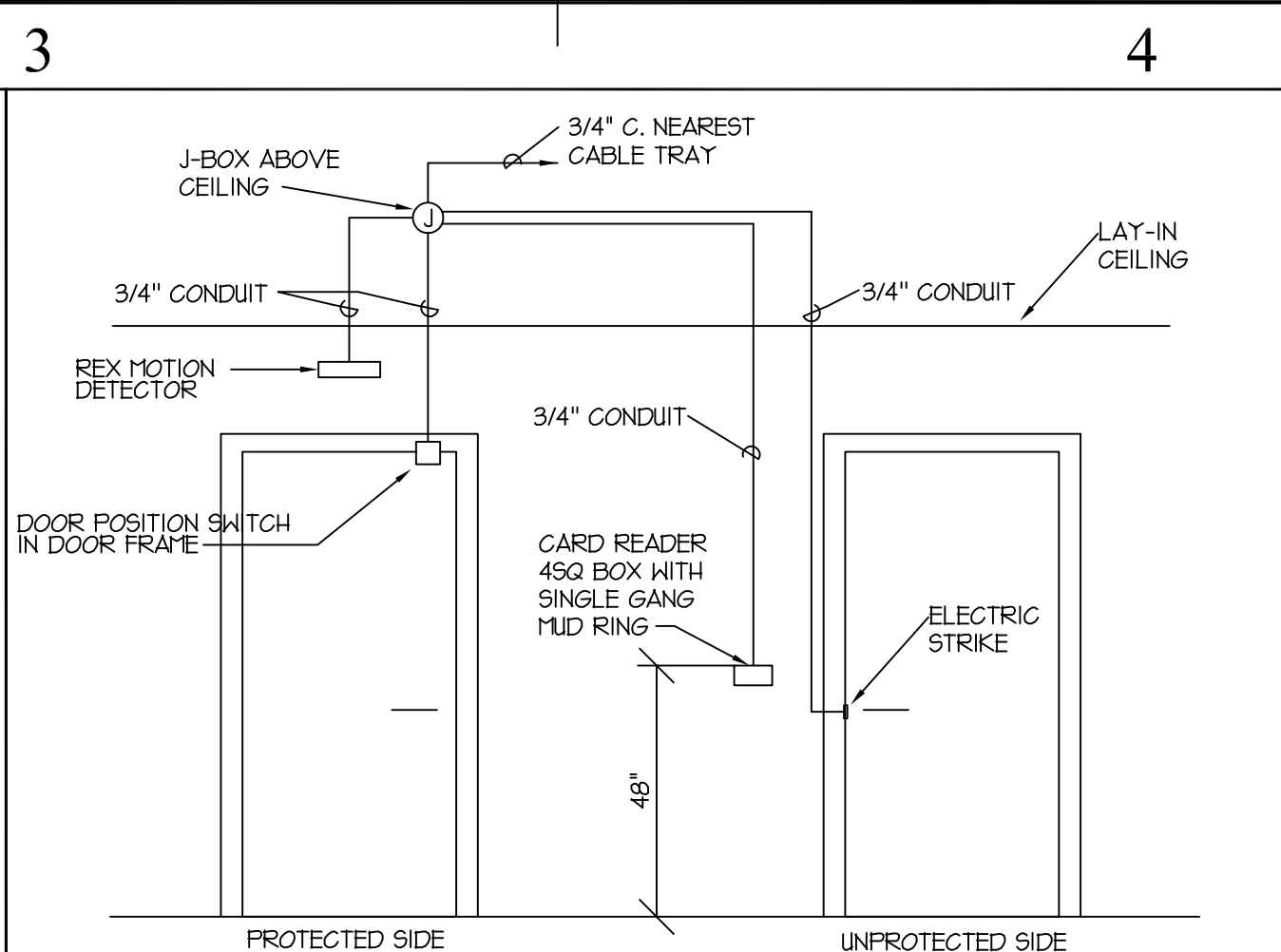
| | | | | | | | | | | | | | | |
|--------------|------------------------|--------|-----|--------------|------|-----------|-------|--------------|------|-------|------|--------|-------------------|-----|
| PANEL "P1" | | 3 / 4 | | AIC RATING | | 10K | | AMPS | | | | | | |
| PHASE / WIRE | | 100 | | RATING | | 120 / 208 | | VOLTS | | | | | | |
| MAIN LUG | | AMPS | | SUBFEED LUGS | | COMMENT | | SERIES RATED | | | | | | |
| MAIN BREAKER | | AMPS | | | | | | | | | | | | |
| CKT | LOCATION | RECEPT | LTG | OTHER | POLE | SIZE | PHASE | SIZE | POLE | OTHER | LTG | RECEPT | LOCATION | CKT |
| 1 | WORKROOM 103 | 360 | | | 1 | 20 | A | 20 | 1 | | | 540 | WORKROOM 103 | 2 |
| 3 | WORKROOM 103 | 360 | | | 1 | 20 | B | 20 | 1 | | | 540 | WORKROOM 103 | 4 |
| 5 | WORKROOM 103 | 720 | | | 1 | 20 | A | 20 | 1 | | | | SPARE | 6 |
| 7 | ROOFTOP C.O. | 720 | | | 1 | 20 | A | 20 | 1 | | 500 | | FACP | 8 |
| 9 | ELECTRIC REHT (EDH-1) | | | | 1500 | 1 | 20 | B | 20 | 1 | | 575 | EXTERIOR LIGHTS | 10 |
| 11 | AIR CONDITIONER (AC-1) | | | | 1200 | 1 | 20 | C | 20 | 1 | | | SPARE | 12 |
| 13 | FIRE SMOKE DAMPERS | | | | 1200 | 1 | 20 | A | 20 | 1 | | 660 | INTERIOR LIGHTS | 14 |
| 15 | FIRE SMOKE DAMPERS | | | | 1500 | 1 | 20 | B | 20 | 1 | 1200 | | INTERIOR LIGHTS | 16 |
| 17 | OFFICE 102 | 720 | | | 1 | 20 | C | 20 | 1 | | | 1260 | HALL 101 OUTLETS | 18 |
| 19 | MEN'S RESTROOM | 540 | | | 1 | 20 | A | 20 | 1 | | | 1440 | TRAINING ROOM 104 | 20 |
| 21 | FLOOR OUTLET 104 | 180 | | | 1 | 20 | B | 20 | 1 | | | 1440 | TRAINING ROOM 104 | 22 |
| 23 | CEILING OUTLET 104 | 18 | | | | | | | | | | | | |



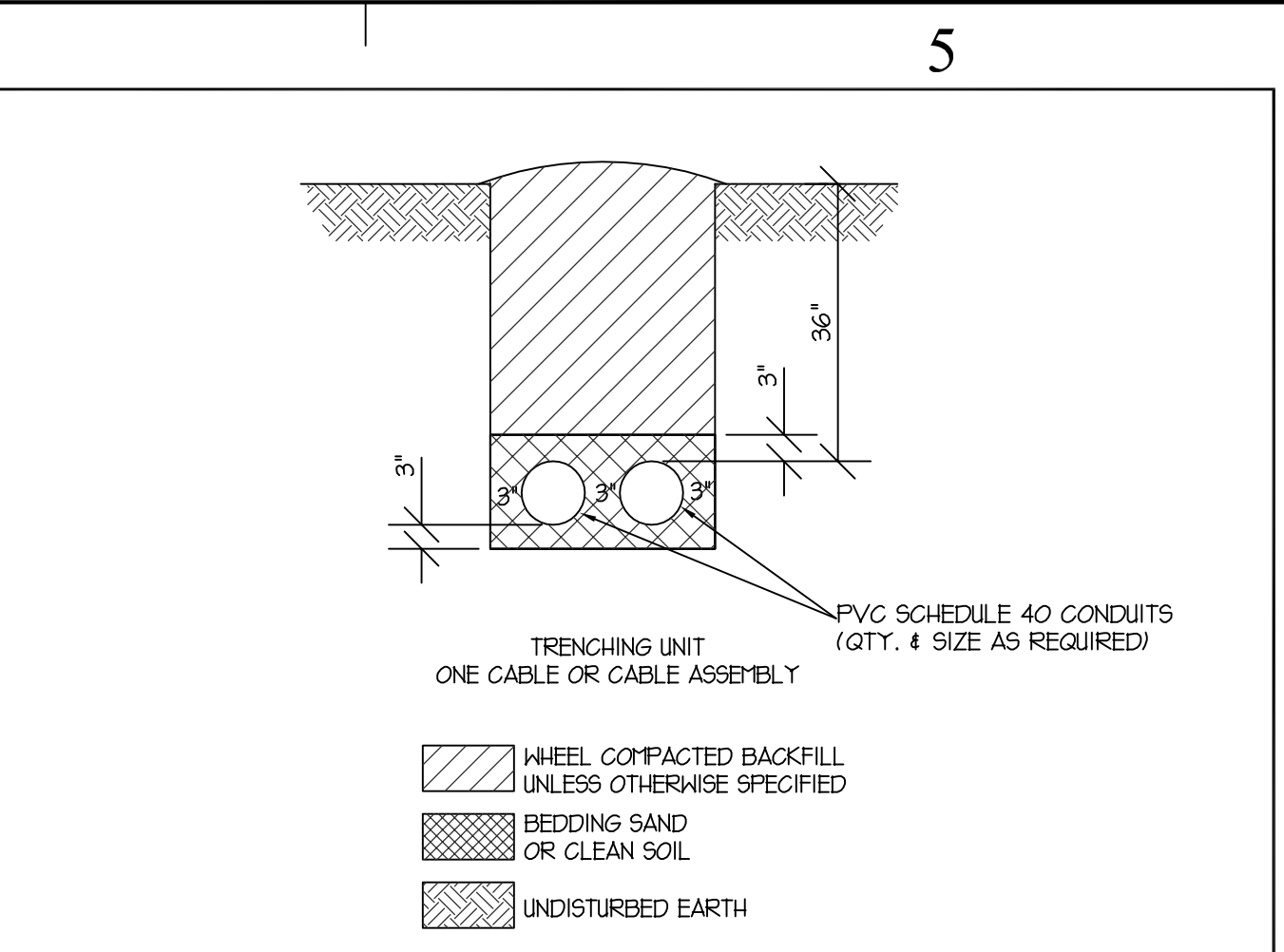
| | |
|--------|-----------------------------|
| SCALE: | TYPICAL CONDUIT RACK DETAIL |
| N.T.S. | |



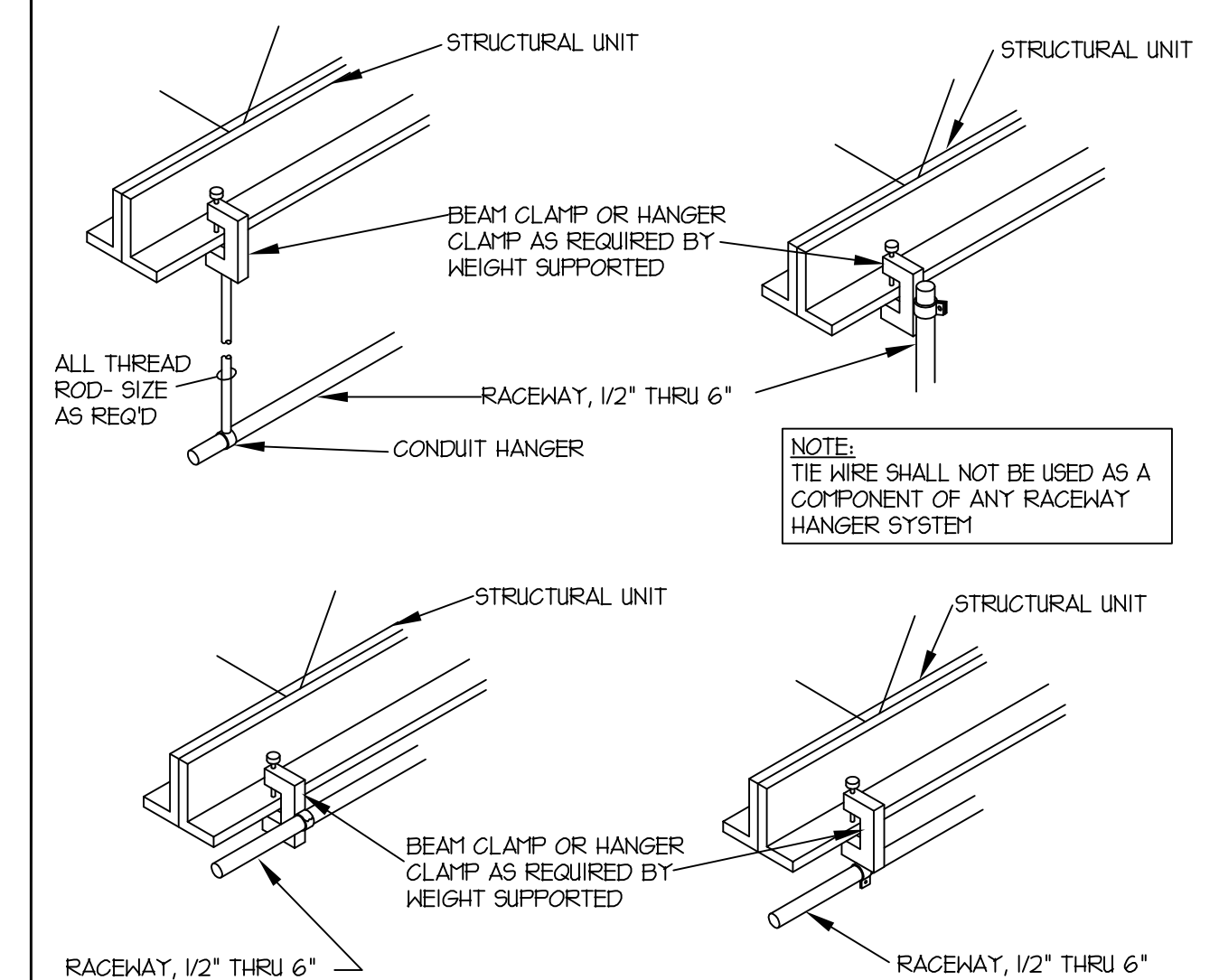
| | |
|--------|--|
| SCALE: | TYPICAL RECESSED FIXTURE MOUNTING DETAIL |
| N.T.S. | |



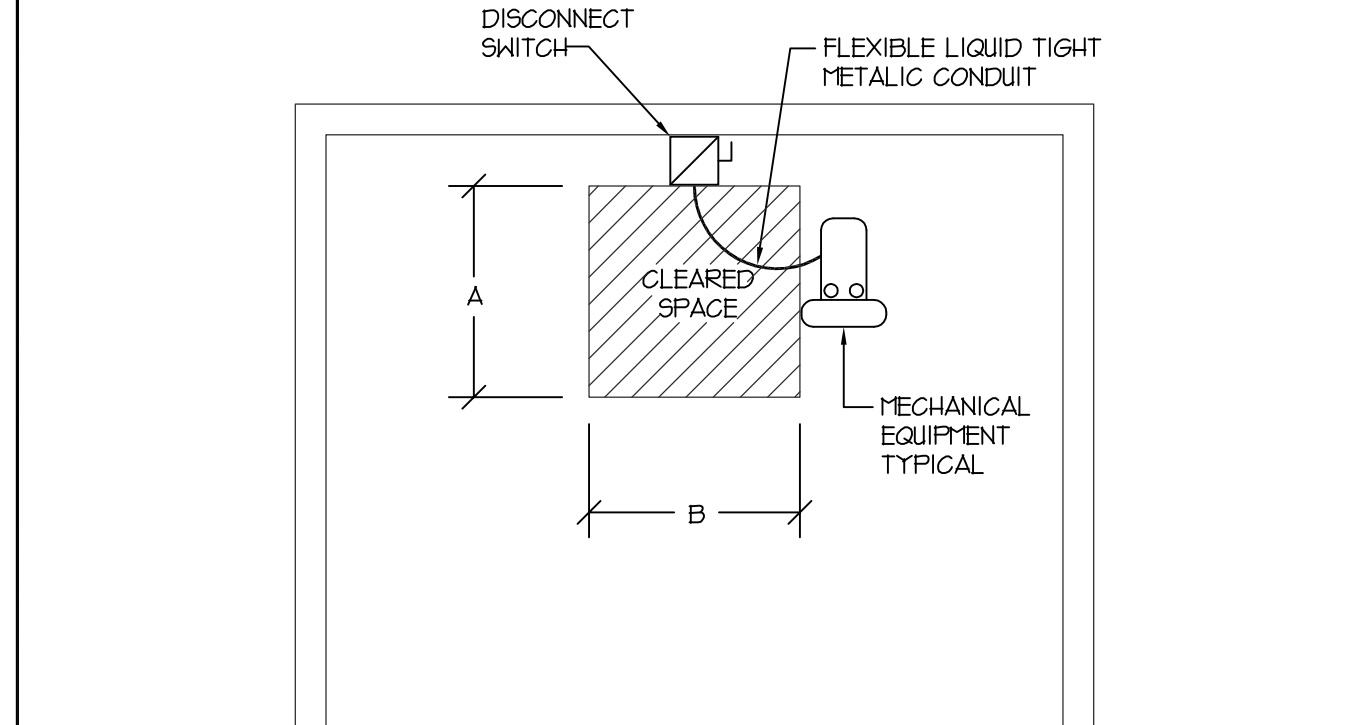
| | |
|--------|--------------------------------|
| SCALE: | TYPICAL SECURITY DOOR ROUGH-IN |
| N.T.S. | |



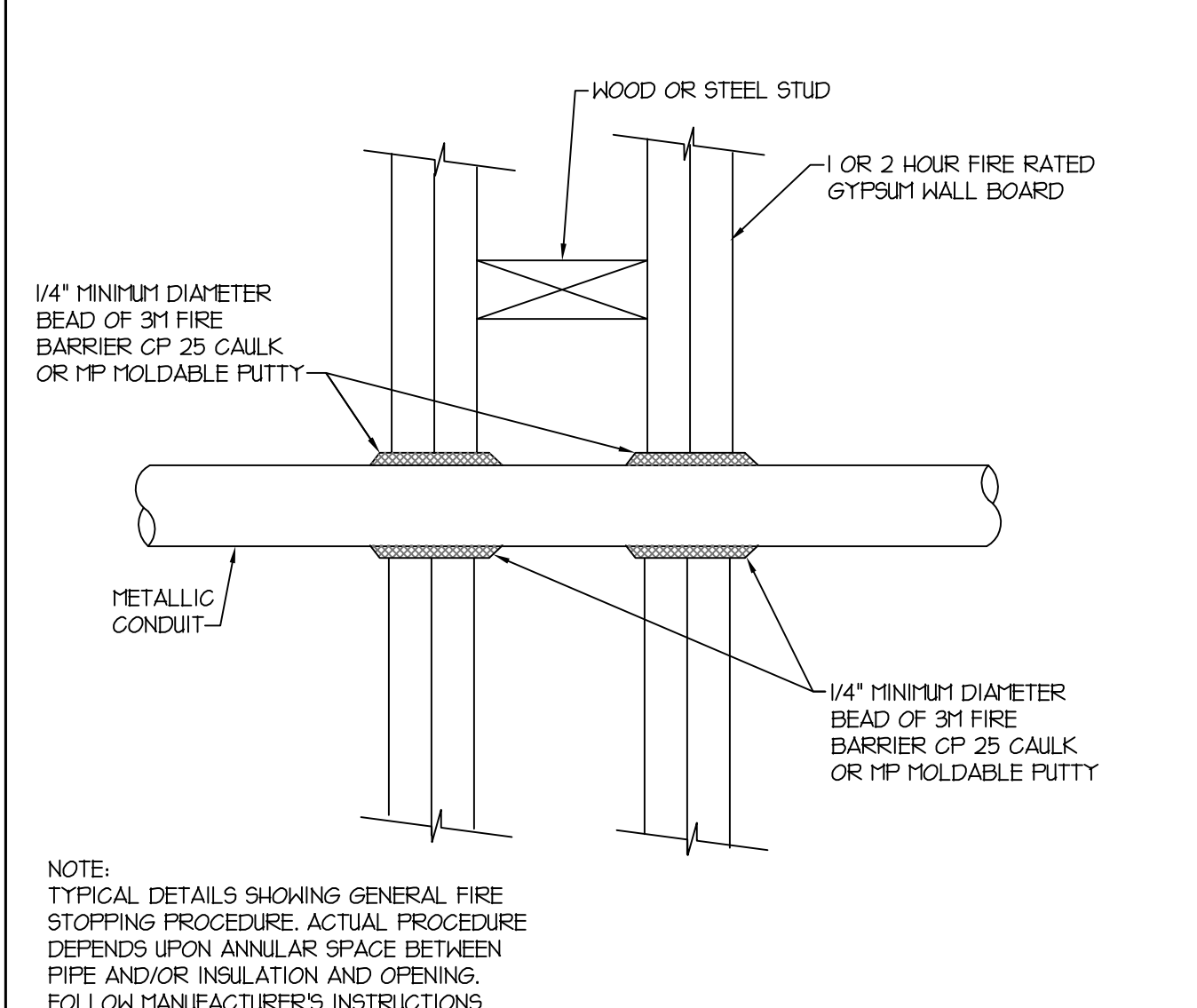
| | |
|--------|---------------|
| SCALE: | TRENCH DETAIL |
| N.T.S. | |



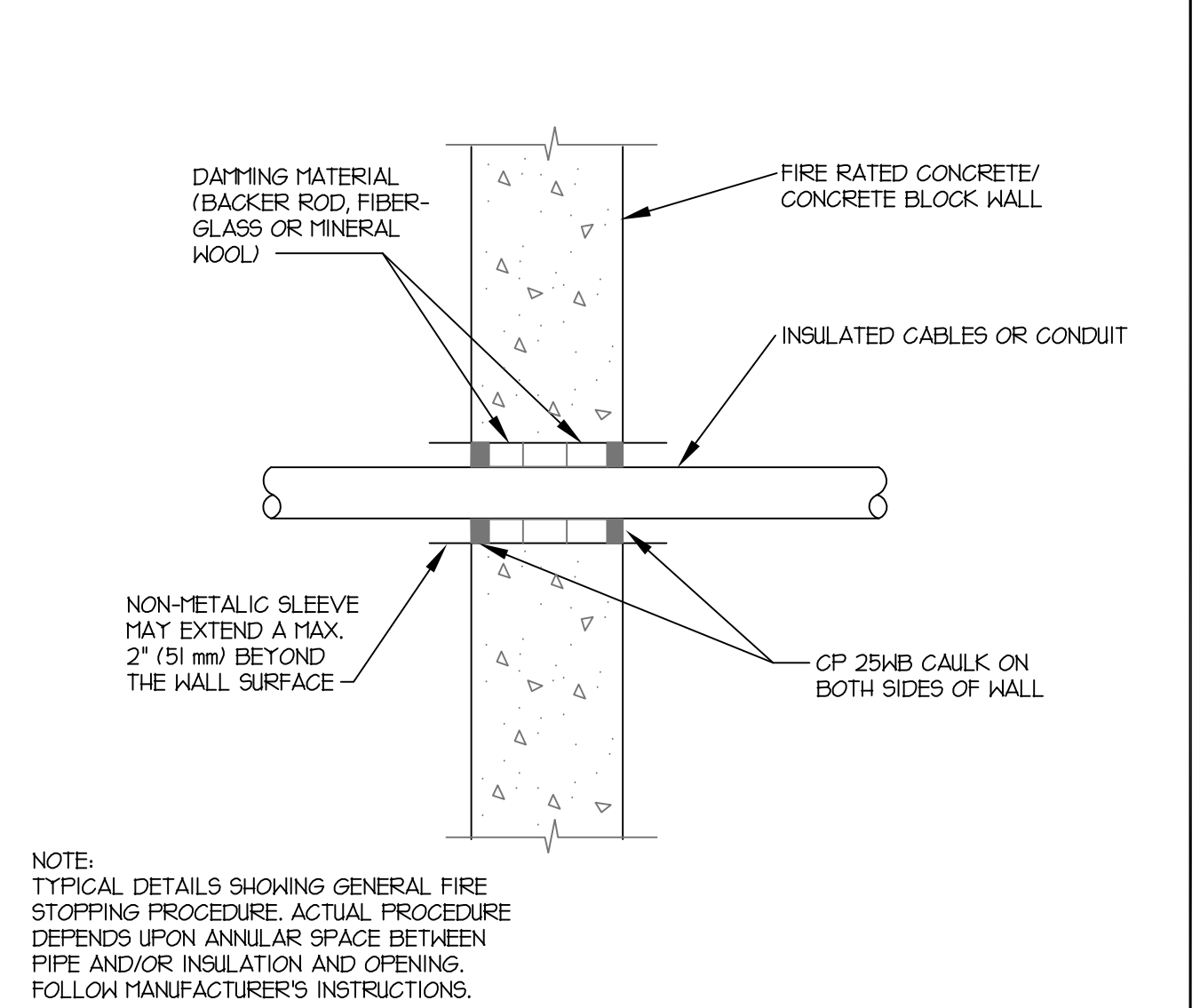
| | |
|--------|--|
| SCALE: | TYPICAL RACEWAY SUPPORT METHODS DETAIL |
| N.T.S. | |



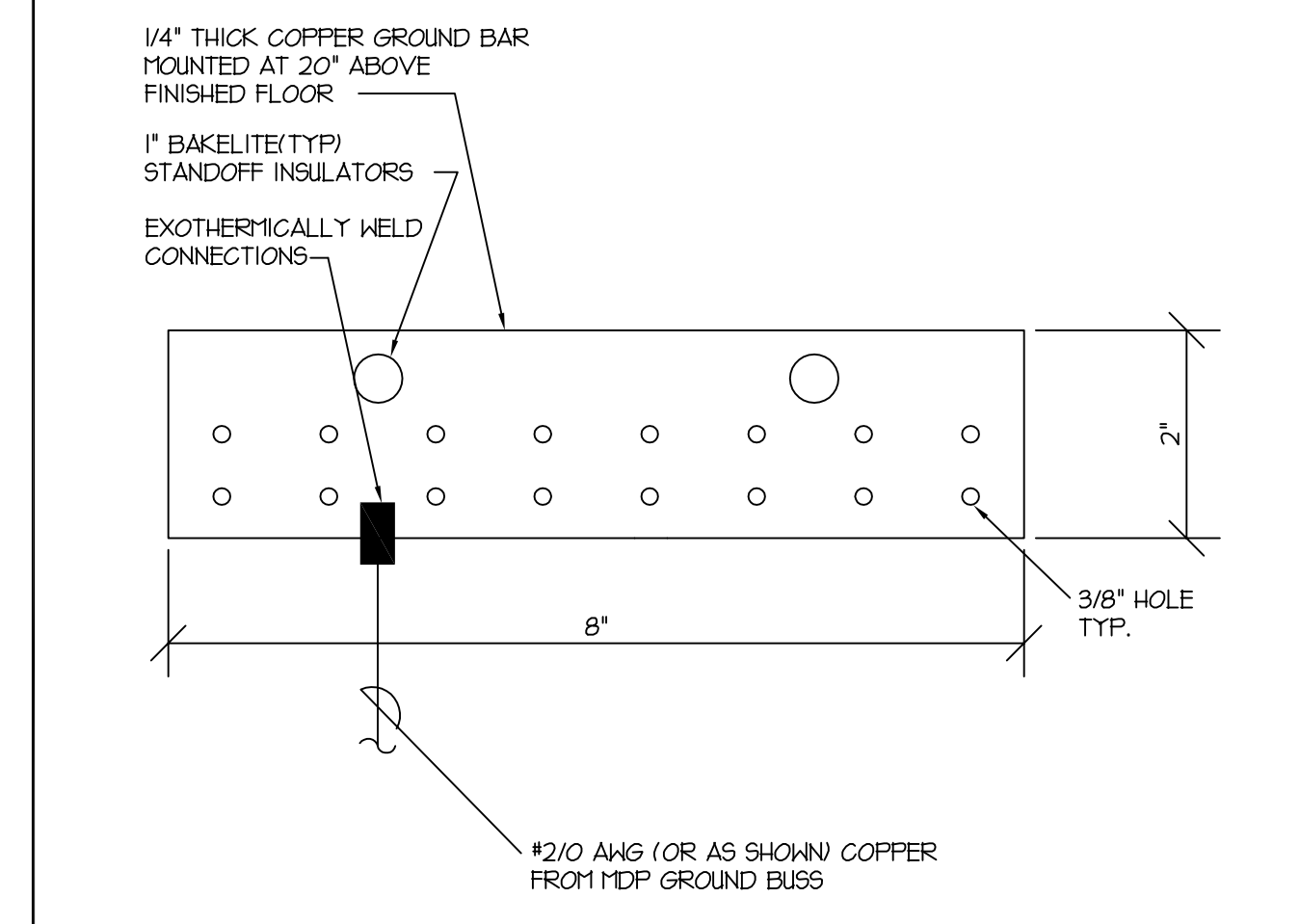
| | |
|--------|---|
| SCALE: | TYPICAL DISCONNECT CLEARANCE REQUIREMENTS |
| NTS. | |



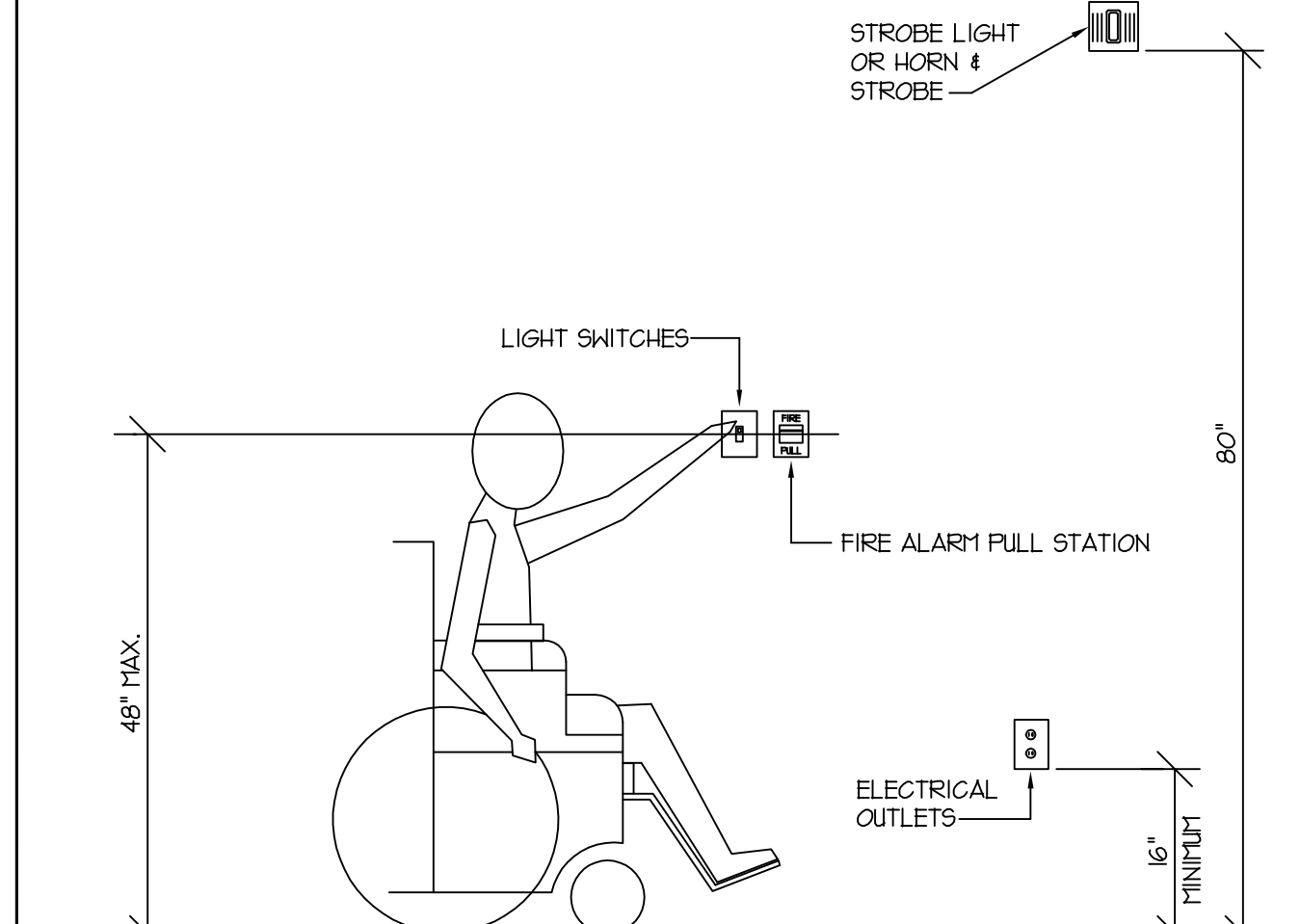
| | |
|--------|------------------------------------|
| SCALE: | FIRESTOP FOR METAL CONDUIT THROUGH |
| N.T.S. | GYPSUM WALL BOARD |



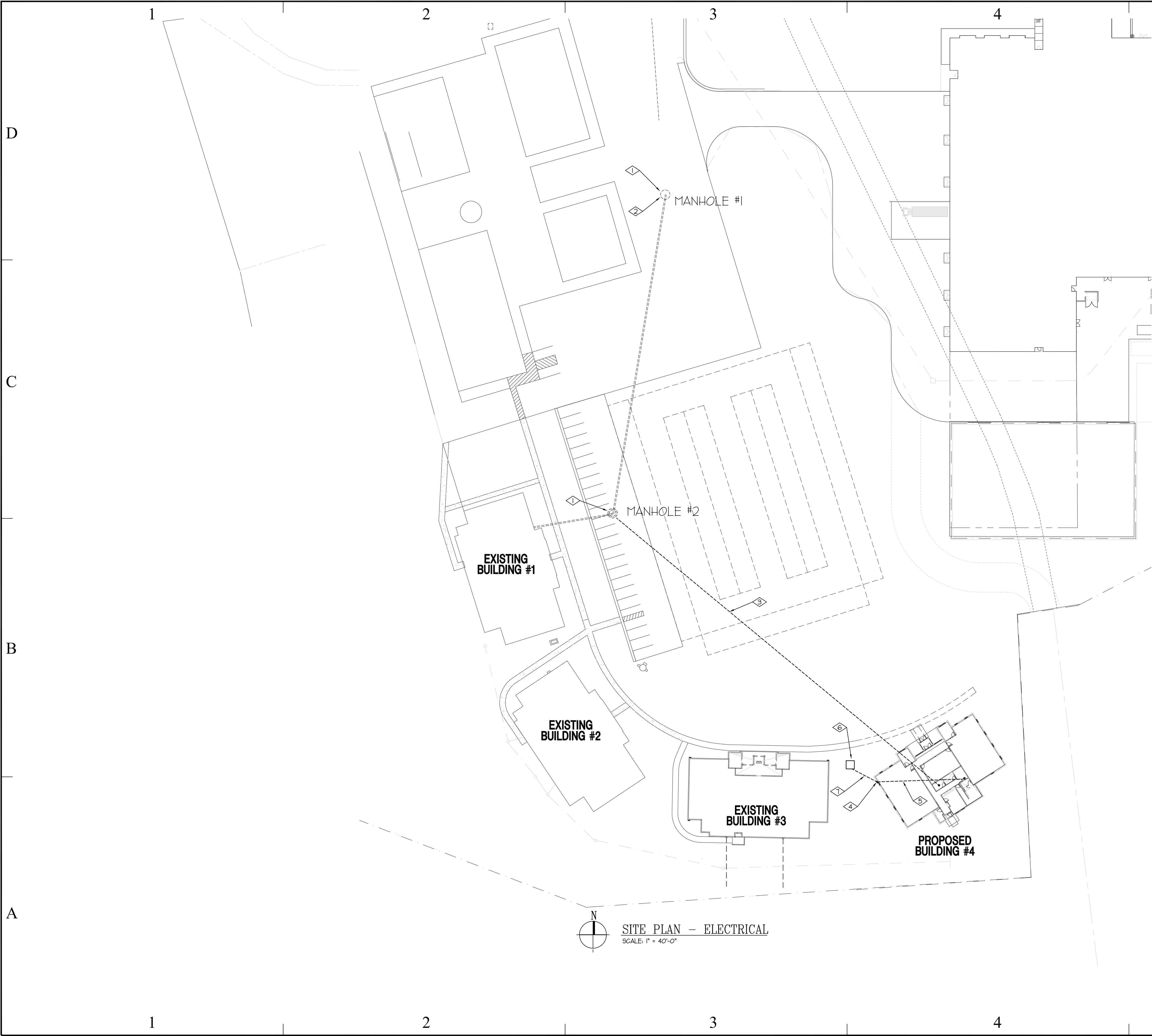
| | |
|--------|-------------------------------------|
| SCALE: | TYPICAL FIRESTOP FOR CABLES/CONDUIT |
| N.T.S. | THROUGH CONCRETE WALLS |



| | |
|--------|------------------------------|
| SCALE: | T.T.B. COPPER GROUND BUS BAR |
| N.T.S. | |



| | |
|--------|---|
| SCALE: | STANDARD HEIGHTS FOR HANDICAPPED ACCESS |
| N.T.S. | |



- REFERENCE NOTES:**
- 1. EXISTING COMMUNICATIONS MANHOLE TO REMAIN.
 - 2. UNDER THIS CONTRACT RUN (1) 6 STRAND MULTIMODE FIBER OPTIC CABLE AND (1) 25 PAIR CATEGORY 3 CABLE FROM EXISTING MANHOLE #1 TO THE NEW BUILDING 4. SPLICE CABLES IN EXISTING MANHOLE, EXTEND FIBER CABLE TO NEW LIU IN IDF ROOM AND COPPER CABLE TO WALL FIELD. REFER TO SPECIFICATION SECTION 16115 FOR MORE INFORMATION.
 - 3. RUN NEW (2) 4" PVC SCHEDULE 40 CONDUITS FOR COMMUNICATIONS, 24" BELOW GRADE MINIMUM FROM THE EXISTING MANHOLE #2 IN FRONT OF EXISTING BUILDING 1 TO THE NEW BUILDING 4.
 - 4. NEW C.T. CABINET AND METER, UNDER THIS CONTRACT.
 - 5. NEW UNDERGROUND FROM C.T. CABINET TO ELECTRICAL PANELS.
 - 6. EXISTING PAD MOUNT TRANSFORMER.
 - 7. NEW UNDERGROUND SECONDARY TO C.T. CABINET. BURY 24" BELOW GRADE MINIMUM. TO BE FURNISHED AND INSTALLED BY CONTRACTOR. SEE SHEET E002.

jsaarchitecture
planning
interiors

3115 e. lion lane suite 300
salt lake city utah 84121
801.278.8151 fax 801.278.8661

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:

ECE, Inc. CONSULTING ENGINEERS
939 S. WEST TEMPLE SALT LAKE CITY, UTAH 84101
PHONE: 801.521.8007 FAX: 801.521.8057

BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

ECE PROJECT NO: 3127

CAD DWG FILE:

DRAWN BY: DBS

CHK'D BY: DBS

COPYRIGHT: STATE OF UTAH

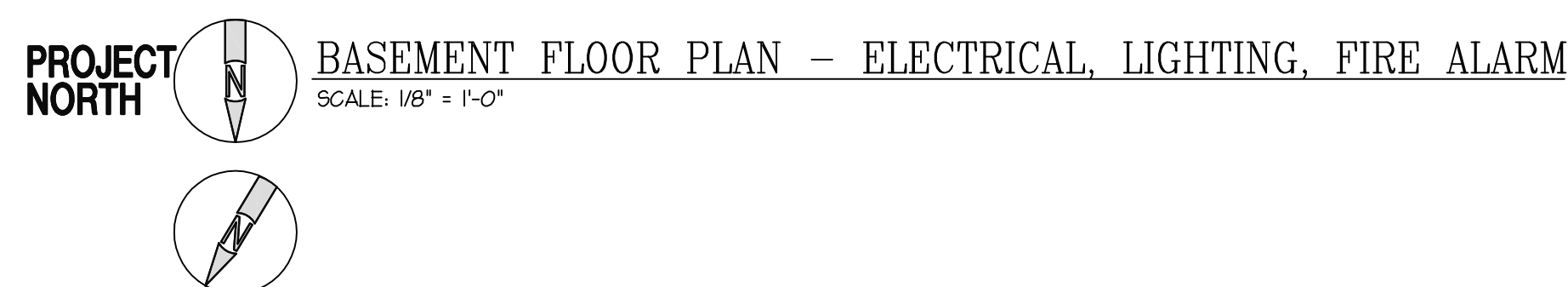
SHEET TITLE

SITE PLAN -
ELECTRICAL

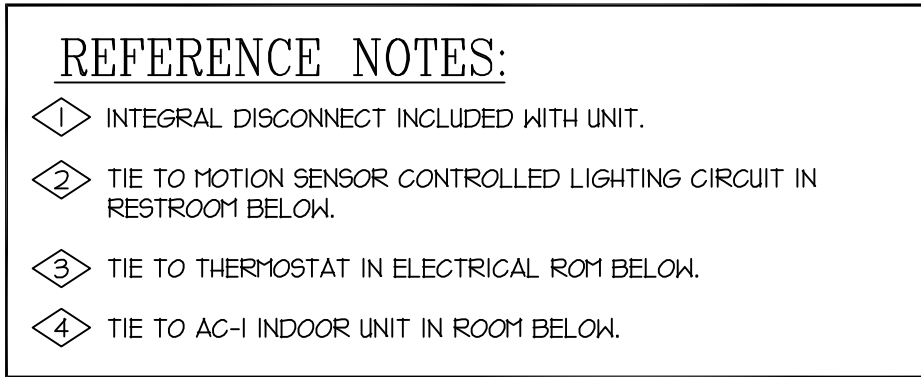
SHEET NUMBER

E-101

SHEET OF -



SHEET OF -



jsa architecture
planning
interiors

3115 e. lion lane suite 300
salt lake city utah 84121

801.278.8151 fax 801.278.8661

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED
REVIEW AND EVALUATION BY CLIENTS,
CONSULTANTS, CONTRACTORS, GOVERNMENT
AGENCIES, VENDORS, AND OFFICE PERSONNEL
ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



BUILDING NAME:

UTAH NATIONAL
GUARD
JLTC

PROJECT TITLE:

BUILDING #4

CAMP WILLIAMS
DRAPER, UT

[illegible]

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

DFCM PROJECT NO: 06013480

ECE PROJECT NO: 3127

CAD DWG FILE:

DRAWN BY: DBS

COPYRIGHT: STATE OF UTAH

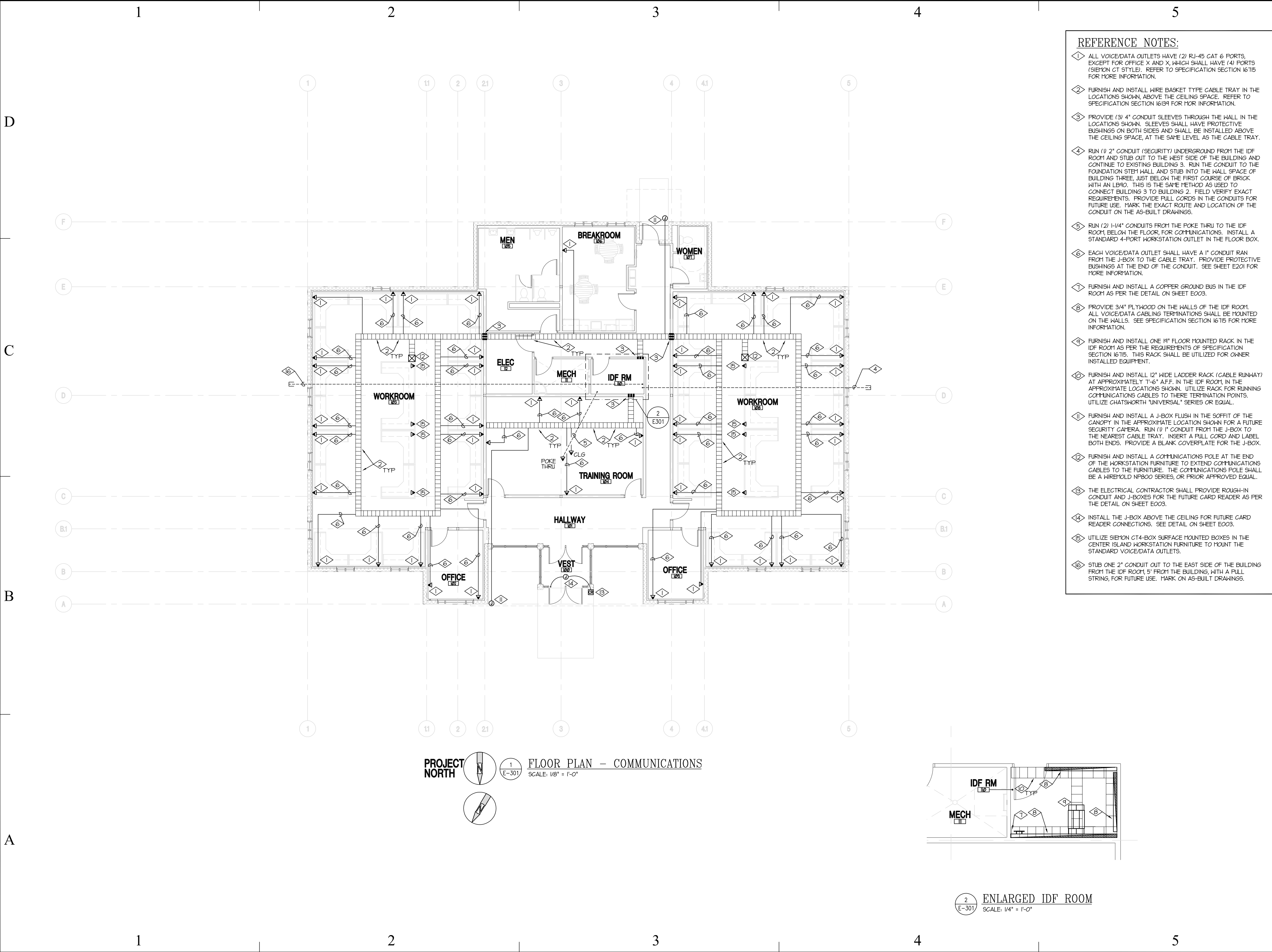
SHEET TITLE

ROOF PLAN - ELECTRICAL

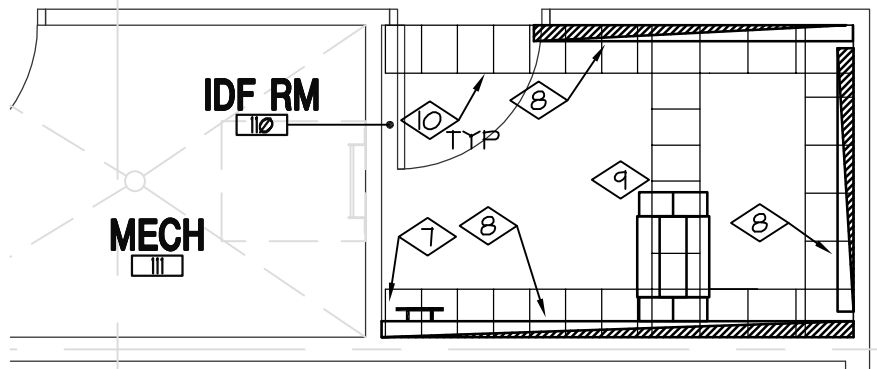
SHEET NUMBER

E-2 02

SHEET OF -



- REFERENCE NOTES:**
- 1 ALL VOICE/DATA OUTLETS HAVE (2) RJ-45 CAT 6 PORTS, EXCEPT FOR OFFICE X AND X, WHICH SHALL HAVE (4) PORTS (SIEMON CT STYLE). REFER TO SPECIFICATION SECTION 16115 FOR MORE INFORMATION.
 - 2 FURNISH AND INSTALL WIRE BASKET TYPE CABLE TRAY IN THE LOCATIONS SHOWN, ABOVE THE CEILING SPACE. REFER TO SPECIFICATION SECTION 16194 FOR MORE INFORMATION.
 - 3 PROVIDE (3) 4" CONDUIT SLEEVES THROUGH THE WALL IN THE LOCATIONS SHOWN. SLEEVES SHALL HAVE PROTECTIVE BUSHINGS ON BOTH SIDES AND SHALL BE INSTALLED ABOVE THE CEILING SPACE, AT THE SAME LEVEL AS THE CABLE TRAY.
 - 4 RUN (1) 2" CONDUIT (SECURITY) UNDERGROUND FROM THE IDF ROOM AND STUB OUT TO THE WEST SIDE OF THE BUILDING AND CONTINUE TO EXISTING BUILDING 3. RUN THE CONDUIT TO THE FOUNDATION STEM WALL AND STUB INTO THE WALL SPACE OF BUILDING THREE, JUST BELOW THE FIRST COURSE OF BRICK WITH AN LB90. THIS IS THE SAME METHOD AS USED TO CONNECT BUILDING 3 TO BUILDING 2. FIELD VERIFY EXACT REQUIREMENTS. PROVIDE PULL CORDS IN THE CONDUITS FOR FUTURE USE. MARK THE EXACT ROUTE AND LOCATION OF THE CONDUIT ON THE AS-BUILT DRAWINGS.
 - 5 RUN (2) 1/4" CONDUITS FROM THE POKE THRU TO THE IDF ROOM, BELOW THE FLOOR, FOR COMMUNICATIONS. INSTALL A STANDARD 4-PORT WORKSTATION OUTLET IN THE FLOOR BOX.
 - 6 EACH VOICE/DATA OUTLET SHALL HAVE A 1" CONDUIT RAN FROM THE J-BOX TO THE CABLE TRAY. PROVIDE PROTECTIVE BUSHINGS AT THE END OF THE CONDUIT. SEE SHEET E201 FOR MORE INFORMATION.
 - 7 FURNISH AND INSTALL A COPPER GROUND BUS IN THE IDF ROOM AS PER THE DETAIL ON SHEET E003.
 - 8 PROVIDE 3/4" PLYWOOD ON THE WALLS OF THE IDF ROOM. ALL VOICE/DATA CABLEING TERMINATIONS SHALL BE MOUNTED ON THE WALLS. SEE SPECIFICATION SECTION 16115 FOR MORE INFORMATION.
 - 9 FURNISH AND INSTALL ONE 14" FLOOR MOUNTED RACK IN THE IDF ROOM AS PER THE REQUIREMENTS OF SPECIFICATION SECTION 16115. THIS RACK SHALL BE UTILIZED FOR OWNER INSTALLED EQUIPMENT.
 - 10 FURNISH AND INSTALL 12" WIDE LADDER RACK (CABLE RUNWAY) AT APPROXIMATELY 7'-6" A.F.F. IN THE IDF ROOM, IN THE APPROXIMATE LOCATIONS SHOWN. UTILIZE RACK FOR RUNNING COMMUNICATIONS CABLES TO THERE TERMINATION POINTS. UTILIZE CHATSWORTH "UNIVERSAL" SERIES OR EQUAL.
 - 11 FURNISH AND INSTALL A J-BOX FLUSH IN THE SOFFIT OF THE CANOPY IN THE APPROXIMATE LOCATION SHOWN FOR A FUTURE SECURITY CAMERA. RUN (1) 1" CONDUIT FROM THE J-BOX TO THE NEAREST CABLE TRAY. INSERT A PULL CORD AND LABEL BOTH ENDS. PROVIDE A BLANK COVERPLATE FOR THE J-BOX.
 - 12 FURNISH AND INSTALL A COMMUNICATIONS POLE AT THE END OF THE WORKSTATION FURNITURE TO EXTEND COMMUNICATIONS CABLES TO THE FURNITURE. THE COMMUNICATIONS POLE SHALL BE A WIREMOLD NP800 SERIES, OR PRIOR APPROVED EQUAL.
 - 13 THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN CONDUIT AND J-BOXES FOR THE FUTURE CARD READER AS PER THE DETAIL ON SHEET E003.
 - 14 INSTALL THE J-BOX ABOVE THE CEILING FOR FUTURE CARD READER CONNECTIONS. SEE DETAIL ON SHEET E003.
 - 15 UTILIZE SIEMON CT4-BOX SURFACE MOUNTED BOXES IN THE CENTER ISLAND WORKSTATION FURNITURE TO MOUNT THE STANDARD VOICE/DATA OUTLETS.
 - 16 STUB ONE 2" CONDUIT OUT TO THE EAST SIDE OF THE BUILDING FROM THE IDF ROOM, 5' FROM THE BUILDING, WITH A PULL STRING, FOR FUTURE USE. MARK ON AS-BUILT DRAWINGS.



PROJECT NORTH

1 FLOOR PLAN - COMMUNICATIONS
SCALE: 1/8" = 1'-0"

2 ENLARGED IDF ROOM
SCALE: 1/4" = 1'-0"

jsa architecture
planning
interiors

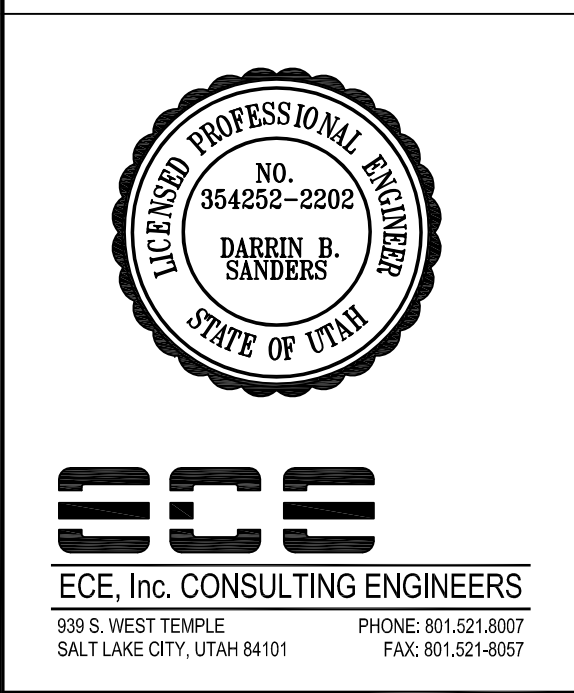
3115 e. lion lane suite 300
salt lake city utah 84121
801.278.8151 fax 801.278.8661

CREATED BY: JSA ARCHITECTS

THE DESIGNS SHOWN AND DESCRIBED HEREIN INCLUDING ALL TECHNICAL DRAWINGS, GRAPHIC REPRESENTATION & MODELS THEREOF, ARE PROPRIETARY & CAN NOT BE COPIED, DUPLICATED, OR COMMERCIALY EXPLOITED IN WHOLE OR IN PART WITHOUT THE SOLE AND EXPRESS WRITTEN PERMISSION FROM THE STATE OF UTAH.

THESE DRAWINGS ARE AVAILABLE FOR LIMITED REVIEW AND EVALUATION BY CLIENTS, CONSULTANTS, CONTRACTORS, GOVERNMENT AGENCIES, VENDORS, AND OFFICE PERSONNEL ONLY IN ACCORDANCE WITH THIS NOTICE.

CONSULTANTS:



BUILDING NAME:

**UTAH NATIONAL
GUARD
JLTC**

PROJECT TITLE:

BUILDING #4

**CAMP WILLIAMS
DRAPER, UT**

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

ISSUE TYPE: CONSTRUCTION SET

ISSUE DATE: 5/18/06

| | |
|------------------|---------------|
| DFCM PROJECT NO: | 06013480 |
| ECE PROJECT NO: | 3127 |
| CAD DWG FILE: | |
| DRAWN BY: | DBS |
| CHK'D BY: | DBS |
| COPYRIGHT: | STATE OF UTAH |

SHEET TITLE

**FLOOR PLAN -
COMMUNICATIONS**

SHEET NUMBER

E-3 01

SHEET OF -



SHEET OF -

